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ON THE

CLASSIFICATION OF BOOKS

A PAPER READ BEFORE THE AMERICAN LIBRARY
ASSOCIATION, MAY, 1882.

BY

LLOYD P. SMITH,
LIBRARIAN OF THE LIBRARY COMPANY OF PHILADELPHIA.

Expertus disces quam gravis iste labor.—Facciolati.

BOSTON

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THIS HUMBLE CONTRIBUTION TO BIBLIOGRAPHICAL SCIENCE

IS INSCRIBED BY THE

AUTHOR.

MAY, 1882.

A PLAN
FOR THE
CLASSIFICATION OF BOOKS
AS WELL IN A
PRINTED CATALOGUE
AS ON THE
SHELVES OF A LIBRARY.



INTRODUCTION.

HOWEVER they may differ on the subject of cataloguing, librarians are agreed that books should be arranged on the shelves according to subjects. Experience teaches that it is impossible to attach too much importance to the advantages flowing from a wise and methodical order in the arrangement of a library. It is when it comes to systems of classification that experts—a limited number—begin to differ; and the reason is not far to seek. It is mainly because of the hardness of the task, which is so great that Aristotle, who executed it for the King of Egypt, was said by Strabo to be the only man who was ever able to arrange the books of a large library in an orderly and systematic manner. From that time to the present, the classification of human knowledge has occupied, more or less, the attention of some of the wisest of mankind, including such men as Bacon, Leibnitz, D'Alembert, and Coleridge. I refrain from wearying you with an account of the various systems which have been put forward from age to age. Those who wish to examine the history of the subject, will find it set down in detail in Woodward's *System of Universal Science* (Philadelphia, 1816). Suffice it to say that the genius of orderly arrangement seems, in modern times, to have taken up its special abode with the French, who have succeeded as well in classifying books as they have in ordering some other things usually considered more important.

The system of dividing a library into five classes—Theology, Jurisprudence, Sciences and Arts, Belles Lettres, and History, the whole followed or preceded by Bibliography—is commonly ascribed to the great French bibliographer, G. F. De Bure, a bookseller of Paris (1731–1782); but he appears to have merely adopted the plan of his predecessor in the same business, Gabriel Martin (1679–1761), who himself borrowed from Jean Garnier's *Systema bibliothecæ collegii Parisiensis Societatis Jesu* (1678). The plan, being found to work well in practice, has since been commonly followed in the catalogues and libraries of France, and, indeed, of the Continent generally; and in the arrangement of its books on the shelves, a system not very different is now practised at the British Museum. This plan was also deliberately adopted, but not without valuable improvements in detail, in the preparation of his catalogue of the Philadelphia Library (1835) by my learned and painstaking predecessor, the late George Campbell. That classified catalogue was a thorough and scholarly piece of work, to which was added a copious alphabetical Index; but in the mean time the Philadelphia Library had no classification on the shelves, it being probably the only large collection of books in the world where the volumes were arranged by sizes only, and in the order of accession. The defects of that system—or want of system—were so serious that, on the occasion of removing the Loganian Library and the greater part of the books of the Library Company, in 1878, to the Ridgway Branch, the opportunity was embraced to make a more logical disposition of them on the shelves, and one based, as to its main features, on the

system of the printed catalogue of 1835. It was in the actual execution of this work—*res sane magni momenti multique sudoris*—that the accompanying classification was wrought out; and as a bibliographical system, to be of value, must be the fruit of experience rather than an effort of genius, it has occurred to me that my fellow-members of the American Library Association might possibly find in it some useful suggestions.

The classification is intended to be permanent only so far as the six main classes A E I O U and Y, and their sub-classes a, b, c, d, e, etc., are concerned. In its details it is open to modification to suit the needs of libraries devoted mainly to the collection of one or a few classes of books. As the volumes multiply on the shelves, it is obvious that the divisions 1, 2, 3, 4, etc., can be added to indefinitely,—by each librarian for himself—without deranging the system. Moreover, the divisions can themselves be subdivided by supplying arbitrary marks. For example, under Zoology (I 1 6), I have made but one subdivision, that of Birds (I 1 6 +), whereas an Academy of Natural Sciences might well find it expedient to distribute their works on the animal kingdom in accordance with the elaborate plan set forth in Agassiz's *Essay on Classification*. On the other hand, a small library may content itself with the classes and sub-classes marked by letters only, or even with the classes A E I O U Y alone. It is to be remarked in passing that, by this arrangement, whatever improvements may be made from time to time in the details of the system, the books have always a relative, and not a fixed location on the shelves, so that they may be moved from shelf to shelf, from case to case, and from building to building, without altering the shelf marks.

The system is available, not only for the arrangement of books on the shelves, but also for their classification in a subject catalogue. Indeed, the shelf lists themselves form—when properly made—a subject catalogue, which may be sent off to the printer as soon as there is money enough to pay for setting them up in type. It is true that most of the ends of a subject catalogue may be gained by the modern dictionary catalogue—combining authors and subjects in one alphabet—which it is to the credit of Mr. Poole to have invented, and of Messrs. Cutter, Noyes, and others to have developed; but, nevertheless, to my mind, the ideal printed catalogue is a classified one, with a copious alphabetical index. Suppose that the British Museum had such a printed catalogue to-day, how much would the usefulness of that great Institution be enhanced!

It is only too obvious that the librarian who adopts this, or indeed any plan for the classification of books, must sometimes be at a loss to decide exactly under what subdivision to place a particular book, the problem, in difficult cases, being quite the highest proposed to a bibliographer. The rule is to place each book under its most specific class, but nevertheless two successive librarians—or indeed the same one at different times—might, without impropriety, classify the same book under different heads. To secure uniformity, therefore, and to make the work of cataloguing and classifying books arranged on this plan more easy, the accompanying Synopsis and Classification are followed by an alphabetical Index. In its preparation, I have made use of the subject Index of my ingenious friend Mr. Melvil Dui, in his excellent *Classification of a Library* (Amherst, 1876). By his kind permission, it is

here reproduced, with the addition of about nine hundred new catchwords which were found desirable in practice; for some of the latter I am indebted to Mr. F. B. Perkins' *Rational Classification of Literature* (San Francisco, 1881), which reached me as these sheets were passing through the press. *The alphabetical class-signs in my system are placed alongside of the numerical class-signs in Mr. Dui's system.* The reason for adopting an alphabetical instead of a numerical designation of the several classes and sub-classes was simply to prevent confusion in calling for a book by its number, it being thought that the number of the class might be mistaken for the number of the book. This, of course, is a matter of detail which may be changed without affecting the system.

Whether the classification itself is more or less logical than that of others who have attempted this hard and thankless, but needful task, it is not for me to say. It has at least the merit of not being made out of nothing, but rather of having been evolved from a pre-existing system which has the approval of the best bibliographers of Europe, and which has been tried for centuries, and not found wanting. *Nolumus leges Angliae mutare.* I believe the groundwork of the system to be good, but I know very well that the building I have raised upon it can be improved; and therefore any one who thinks of making use of either would do well to study—among others—the *Table Méthodique* of Brunet, and the classification—which, however, is rather crude—of the British Museum. The latter can be consulted in Henry Stevens' *Catalogue of the American books in the Library of the British Museum* (London, 1866). Mr. Dui's and Mr. Perkins' highly original systems are also full of valuable suggestions, though the former is, to my thinking, not sufficiently worked out in detail, while the latter, with its six thousand classes—ten times as many as are used in the British Museum—is, if anything, too much so. The reference alphabet—first used by Mr. Dui—gives their systems of classification, in point of practical utility, a decided advantage over others; and Mr. Dui's decimal division brings in an element of simplicity which has, in theory at least, some obvious advantages. It is also steadily making its way into practice, and I understand there are more American libraries now using that plan than any other. Mr. Perkins “believes that his system accomplishes some good things which Mr. Dui's does not, and cures some defects in it;” and I agree with him. If I did not think that mine was on the whole better than either, I should not publish it. Nevertheless, I am free to say that in working out the details I consider Mr. Perkins' arrangement in some respects better than my own, and if I had seen it in time I could have improved mine in several ways. Mr. Swartz's Mnemonic System, and that of Mr. Cutter—described in Vol. IV. of the *Library Journal*—are also worthy of the highest consideration. Doubtless the true Classification of Books, at once rational and convenient in practice, is a thing yet to be established, but at any rate the materials for it exist; and if the present System with its Index—on which I have been working more or less for the past four years—contributes in any degree to make the labors of those who follow me more easy, it is all that I expect.

I have only to add my thanks to our excellent Secretary for his kindness in undertaking the publication of the work, and to say that its profits, if any, are to go to the American Library Association.

SYNOPSIS.

| | |
|----------------------|--|
| Class A. | RELIGION. |
| E. | JURISPRUDENCE. |
| I. | SCIENCES AND ARTS. |
| O. | BELLES LETTRES. |
| U. | HISTORY. |
| Y. | BIBLIOGRAPHY AND THE HISTORY OF LITERATURE. |
| Subclasses. | a, b, c, d, e, etc. |
| Divisions. | 1, 2, 3, 4, etc. |
| Subdivisions. | +, △, □, IV, V, VI, etc. |

CLASSIFICATION.

CLASS A. RELIGION.

(Cyclopædias of Religion are classed A only.)

- a Treatises on Tolerance.
- b Treatises on Natural Religion and on the existence of a God, His attributes, etc.; Theism, Pantheism, Atheism. (See A o 8.) Bridgewater treatises.
- c The Holy Scriptures. Texts, Paraphrases, and Versions.
 - 1. Bibles.
 - 2. Selections from both Testaments.
 - 3. Old Testament.
 - 4. Apocryphal books.
 - 5. New Testament.
 - 6. Parts of the New Testament.
- Note: under each division Versions are placed in the alphabetical order of their languages, preceded by Polyglots.*
- d Scripture histories, dictionaries, cyclopædias, concordances, chronologies, and harmonies. The life of Christ.
 - 1. Treatises on the Canon.
- e Criticism, interpretation of, and commentaries on, the Scriptures.
- f Treatises on the Truth and Evidences of revealed religion. Hulsean, Bampton, Boyle, and Bohlen lectures.
 - 1. Faith and reason, Science and revelation.
 - 2. Miracles. The resurrection of our Lord.
 - 3. Inspiration.
- g Creeds, catechisms, liturgies, and treatises thereon. The Christian Year.
 - Rites and ceremonies, sacraments, ordinances.
 - 1. Missals, breviaries, etc. Pontificale Romanum.
 - 2. Book of Common Prayer.
- h Collections of prayers and meditations. The Lord's Prayer, Answers to prayer, Prayer meetings, etc.

- i Metrical versions of the Psalms ; Hymns and works thereon.
- k Ancient and modern theologians. The Fathers, and works on them.
- l Doctrinal, practical, controversial, and miscellaneous divinity. Systematic and pastoral theology.
 - 1. The controversy between the Roman Catholic Church and Protestantism, etc. (See A o 11, 12, 13, 15 +.)
 - +. Infallibility.
- m Sermons, pastoral letters and charges, etc. Homiletics. Pulpit elocution and oratory.
- n Jewish antiquities, history, customs, literature, philosophy, etc. Books (other than the Bible) printed in Hebrew. The Talmud, rabbinical literature, the Kabbala.
 - 1. The Sabbath and the Lord's Day.
- o Ecclesiastical history ; Christian antiquities ; the primitive church.

Note : Under each of the following heads are placed controversial, periodical, and other works illustrating the history of the denomination in question.

- 1. Oriental Churches.
- 2. Latin (See A o 13, and U u 2).
 - +. Jansenists, Quietists, Mystics, Port Royal. Old Catholics.
 - △. Gallican Church, etc.
 - . Spain, etc.
- IV. R. C. Church in the U. S. and Canada.
- 3. Anglican and Protestant Episcopal. Christianity in England.
 - +. Reformed Episcopal Church.
- 4. Scottish and Presbyterian.
- 5. Congregational; the Puritans ; N. England.
- 6. Baptist. Works on baptism.
- 7. Methodist.
- 8. Unitarian and Universalist.
 - +. Arian and Socinian history and controversy.
- 9. Mormon. Utah.
- 10. Society of Friends, including lives and works of its founders. Progressive Friends.
- 11. Other denominations. The Reformation. Protestant sects. (See A 1 1.)
 - +. Reformation in Germany: Luther and the Lutheran Church.
 - △. Reformation in Switzerland, Holland, etc. Calvin and the Reformed Church.
 - . Reformation in France. The Huguenots.
 - IV. " Italy.
 - V. " Spain.
- 12. History of the Inquisition.
- 13. Collected lives of Saints, Popes, Cardinals, etc. Martyrologies. (See U z, and U u 2.)
- 14. Collected religious biography. Collected lives of missionaries. (See U z.)

15. Bible, missionary, and other Societies. Missions.

+. Monastic and religious Orders. Flagellants. Lollards.

△. Society of Jesus.

Note: For North American Jesuit Relations, etc., see U y 9 +.

16. History of dogma and heresy. Councils, their decrees and canons.

p Islam.

1. Life of Mahomet.

2. The Koran, etc.

q Paganism. Mythology.

1. Comparative mythology; views of all religions; science of religion; origin of belief; symbolism; serpent worship; Sabianism. (See I e, O f 7, U i.)

2. Greek and Roman mythology.

+. Oracles; Sibylline books; Eleusinian mysteries, etc.

3. Mythology of Germany and Northern Europe.

4. Hinduism; Buddhism; Jainism; the Vedas; the Bagvat Gita, etc. Works in Sanskrit and translations thereof.

5. Parseeism. Zend-Avesta. Culte de Mithra.

6. Religions of China and Japan. Chinese classics and literature. (See U x 2, and O a 2 *note*.)

7. Other religions. (See U f 4.)

r Theological and religious periodicals. (See A o *note*.)

CLASS E. JURISPRUDENCE.

- a General treatises on laws: legal miscellanies, periodicals, and history; professional ethics; the law of evidence; oaths; courts.
 - 1. Law dictionaries.
- b Law of nature and of nations. Sea laws. Diplomatic and consular manuals.
- c Treaties.
- d Ancient, civil, feudal, and ecclesiastical law.
- e Common law and Equity.
 - 1. Law of real property. Conveyancing.
 - 2. Commercial law.
 - 3. Law relating to women, marriage, and divorce. (See I g 2.)
- f Constitutional and municipal law and commentaries.
 - 1. The United States.
 - 2. Particular States, alphabetically.
 - 3. Great Britain.
 - +. Constitutional history.
 - △. Colonial.
 - 4. Continental Europe.
 - 5. Asia.
 - 6. Other countries.
- g Parliamentary law and practice. Rules of order.
- h Criminal and penal law. Police and prison discipline. Houses of refuge and correction. Detectives. Crime.
 - 1. Capital punishment.
- i Medical jurisprudence.
- k Trials.
 - 1. Criminal and State trials.
 - 2. Reports. Trials in civil cases.
 - +. English.
 - △. American, alphabetically by states.
 - 3. Individual and particular cases.
 - 4. Ecclesiastical trials.
- m Patent law; Copyright.
- n Military law; treatises on courts martial. Army regulations. Militia laws.
 - 1. Trials by court-martial.

CLASS I. SCIENCES AND ARTS.

- a Philosophy: general and miscellaneous works. (See I c.)
 - 1. History of philosophy. Philosophical dictionaries.
- b Cyclopedias and dictionaries of arts and sciences. Collections of useful knowledge.
 - 1. French, German, etc.
- c Metaphysics. Psychology. (See I a.)
- d Physiognomy and Phrenology. Temperaments.
- e Occult philosophy. Prophecies other than Biblical. Swedenborg and his works.
 - The future life considered apart from Revelation. (See A q 1, U i.)
 - 1. Alchemy.
 - 2. Astrology and palmistry; fortune telling; oneiromancy.
 - 3. Demonology; witchcraft; apparitions; hallucinations; stigmata.
 - 4. Modern Spiritualism; mesmerism; somnambulism; dreams; sleep.
- f Logic.
- g Moral philosophy; Ethics.
 - 1. Ethical treatises on the Passions, Virtues, Vices, Peace, Solitude, Happiness, Suicide, etc.
 - 2. Marriage and the condition, duties, and rights of women; sex in nature; the family. (See E l.)
 - 3. Etiquette, courtesy, the character of a gentleman. (See U h.)
 - 4. Casuistry, Christian morals. Cruelty to children and animals. Vivisection.
 - 5. Temperance. Prohibitory and license laws. (See I n 2 +.)
 - 6. Lotteries and gambling.
- h Education.
 - 1. Elementary works for youth. (See O f 2 +.)
 - 2. Universities, Colleges, Military and Naval Academies, Theological, Industrial, and Common Schools. U. S. and State Reports. (See I n 9, U y 7 +, U y 8.)
 - 3. Instruction for the blind, deaf, etc. (See I i 7, I n 8.)
 - 4. Self-culture. Debating societies and reading clubs.
- i Government and politics, general treatises; histories.
 - 1. Political economy, population, pauperism, wages, labor, strikes, co-operation, communism, socialism.
 - 2. Money, the precious metals, mints, finance, banks, investments, usury, interest tables, paper credit, national debts, taxation. (See U p 5 +, U y 7 Δ.)

- 3. Trade, colonization, commerce, weights and measures, auctions.
 - +. History of commerce, colonization, and prices. Tariffs (except U. S., U y 7 Δ), mails, commercial dictionaries, periodicals, etc.
 - Δ . Reports of Companies, including Boards of Trade. Trade unions. Guilds.
- 4. Slavery and the slave trade. (See U y 5.)
 - +. African colonization. Liberia. (See U d 12 vi, U x 10.)
- 5. Internal improvements, civil engineering, water-works, roads, canals, bridges, tunnels, wheel carriages, etc.
 - +. Histories and reports. Canal companies. (See U x 4 +.)
- 6. Railroads, tramways, locomotives, including reports of companies, railway guides, and excursions. (See U c 1.) Railway engineering.
- 7. Hospitals (see I n 8), dispensaries, and poor-houses. Lazarettos, quarantine. Public and private charities.
- k** Physics. Natural philosophy. Dictionaries and encyclopedias; general and miscellaneous treatises, systems, histories, etc. Popular science.
 - 1. Electricity, galvanism, magnetism, heat, gravitation, force.
 - 2. Electricity, etc., applied to the arts. Telegraphs, telephones, etc.
 - 3. Meteorology, pneumatics, winds, storms, the barometer, magnetic observations, climate.
 - +. Ballooning.
 - 4. Chemistry.
 - 5. Applied chemistry.
 - 6. Spectrum analysis.
- l** Natural history: General and miscellaneous works. Cosmology. The creation. Museums. Transactions. Collectors' manuals. (See I y.)
 - 1. Natural history of different countries, etc.
 - 2. Geology, palaeontology, fossils, glaciers, volcanoes, earthquakes, waters, etc.
 - +. Baths, springs, mineral waters. Water analysis.
 - Δ . Petroleum.
 - 3. Geological reports, maps, etc., alphabetically arranged.
 - 4. Mineralogy, mines, metals, reduction of ores.
 - +. Coal and iron. (See I u 3.) Peat.
 - Δ . Mining companies, etc.
 - 5. Botany.
 - +. Trees and shrubs. (See I u 11 +, I u 12.)
 - Δ . Transactions and periodicals.
 - 6. Zoology, Taxidermy, Instinct.
 - +. Birds.
 - 7. Biology, origin of species, Darwinism, evolution, spontaneous generation, life.
- m** Anthropology, the natural history of man, the unity of the human race, etc. (See U f 1.)
 - 1. Descent of man; heredity.

- 2. Ethnology.
 - +. The negro.
 - △. Crania, etc.
- 3. Sociology; history of civilization and progress; social science; modern thought.
- n Medicine: general and miscellaneous works, medical dictionaries, and periodicals.
 - 1. Anatomy and physiology; histology. Comparative anatomy.
 - 2. Materia Medica. Pharmacopœias, dispensaries, medical botany.
 - +. Poisons; stimulants and narcotics; tobacco; opium; hasheesh.
 - 3. Theory and practice of medicine. Nursing.
 - +. Professional ethics.
 - △. Change of air.
 - . Homœopathy, hydropathy, etc.
 - 4. Surgery—including military surgery—and obstetrics. Gynæcology.
 - +. Dentistry.
 - 5. Treatises on particular diseases (alphabetical by subjects).
 - 6. Diseases incident to various places, professions, etc.
 - 7. Treatises on health, diet, regimen, longevity, training, bathing, physical beauty; boards of health, public hygiene, etc.
 - 8. Mental disorders, including Reports of idiot schools and asylums for the insane. (See I i 7.) The brain and its connection with mind.
 - 9. History of medicine and of medical schools, departments, etc. Medical directories.
- o Mathematics; general and miscellaneous works. Histories.
 - 1. Arithmetic, algebra, calculus, quarternions.
 - 2. Geometry, trigonometry, conic sections, surveying, mensuration.
 - 3. Logarithms; mathematical tables and instruments.
 - 4. Theory and calculations of probabilities; life annuities.
 - +. Insurance and insurance companies.
- p Astronomy, astronomical tables, and instruments. Theory of the tides.
 - 1. Almanacs, ephemerides, etc.
 - 2. Treatises on the Calendar. (See U e.)
 - 3. Plurality of worlds.
- q Mechanics, hydrostatics, hydraulics, descriptions of machines, steam engines. (See I i 6.)
- r Optics, light, vision, the eye. Acoustics.
 - 1. The microscope and its revelations; stereoscope; kaleidoscope.
 - 2. The phonograph, etc.
- s The fine arts; general and miscellaneous works; dictionaries; periodicals. *Æsthetics.*
 - 1. Arts of design; perspective; beauty in art.
 - 2. Painting, enamelling, harmony of colors, chromatography, etc. (See U z 1 △.)
 - 3. Engraving, lithography.

- 4. Sculpture, bronzes, seal engraving, wood, paper, and wax carving ; prints of statues, monuments, etc.
- 5. Photography and photographs ; photolithography.
- 6. Books of prints, catalogues and descriptions of pictures, galleries, etc. (See U z 3.)
 - +. Illustrated journals.
 - △. Caricatures and comic papers.
 - . Picturesque views, tours, etc.
- 7. Music and musical composition. Criticism, dictionaries, periodicals, history, etc.
 - +. Art of singing.
 - △. Songs, operas, and oratorios, with music. (See O e 7.)
 - . Sacred music.
- IV. General and secular music.
- V. Single instrumental compositions.
- VI. Particular instruments.
- 8. Ecclesiastical art, Christian iconography, church needlework and vestments.
- 9. Anatomy for artists.
- 10. History of art. (See U z 1 △.)
- t. Architecture. General works, histories, periodicals, etc. Ancient architecture.
 - 1. Church and gothic ; bells ; views of churches.
 - 2. Domestic and rural.
 - 3. Masonry and bricklaying ; tiles ; cements.
 - 4. Carpentry and turning.
 - 5. Warming, lighting, ventilating, and draining buildings. Lightning rods, gas, photogenic oils, fires, and fire engines.
 - 6. Furniture, house painting, decorative arts, etc.
 - +. Vases, gems, precious stones, finger-rings, plate, bric-a-brac.
 - 7. Views and descriptions of edifices, ruins, arches, columns, etc. (See U f.)
 - 8. School architecture.
- u. Arts and trades, general works, patents, inventions, periodicals, dictionaries, histories.
 - 1. Art of memory.
 - 2. Book-keeping.
 - 3. Iron manufactures and trade. Steel. (See I l 4 +.)
 - 4. Other metals ; metallurgy in general.
 - 5. Textile fabrics and materials. Dyeing and bleaching. (See I u 14.)
 - 6. Watch and instrument making ; horology ; dialling.
 - 7. Carriage and cabinet making and painting.
 - 8. Leather, shoes, etc. Caoutchouc.
 - 9. Pottery, porcelain, terra cotta, ceramic art, bricks, glass, japanning.

10. Other arts and trades, arranged alphabetically.
 - +. Brewing and distilling; gauging; bar tending.
11. Agriculture and gardening. Agricultural chemistry and products.
 - +. Fruits and fruit trees, vineyards, wines, vinegar.
 - △. Agricultural and horticultural associations. U. S. and State Reports.
 - . Fish culture.
- IV. Insect enemies.
12. Landscape and ornamental gardening, rural life, forestry, rural cemeteries, etc. (See I 15 +.)
13. Treatises on horses, cattle, dairy products, sheep, poultry, pigeons, etc. The veterinary art, farriery.
14. Treatises on silkworms and bees. Silk industry. (See I u 5.)
15. Treatises on cookery and carving. Gastronomy. Food. Markets. Sugar boiling.
16. Industrial exhibitions and chefs d'œuvre. South Kensington Museum and Conferences. The Centennial of 1876, etc.
17. Miscellaneous. Domestic economy. Needlework. (See I s 8.) Toilet arts.
- v Navigation, naval architecture, naval tactics. (See U b 10 and I p.)
 1. Historical works. The merchant service. (See U p 8, U y 14.)
 2. Diving; torpedoes.
 3. Sea fishing.
- w Military art, militia, military engineering. (See E n, I h 2, U y 7 □.)
 1. Military history. (See U p 8 and U y 14.)
 - +. Waterloo campaign.
- x Recreative arts.
 1. Field sports, cricket, angling, the dog, horsemanship and horse racing (See I u 13), coaching, velocipedes, skating, rowing, and swimming. Bull fights, cock fighting, boxing, wrestling, and fencing. Trapping, the rifle, sporting guns and tackle, game birds and animals, etc.
 - +. Sporting tours, anecdotes, magazines, etc.
 2. Parlor pastimes, legerdemain, enigmas, conundrums, charades, and dramas; dancing. Cards, draughts, dominoes, backgammon, billiards, etc.
 - +. Chess.
- y Memoirs, histories, and transactions of scientific institutions; academies. (See I l.)
 1. American.
 2. English, Scotch, and Irish. The British Museum.
 3. French.
 4. German.
 5. Other.

Note: Institutions devoted to a particular branch of science will be classed accordingly.
- z General scientific periodicals, year book of facts in science and art, etc.

CLASS O. BELLES LETTRES.

- a Grammar and lexicography; general works. Philology. Alphabets.
 - 1. Greek and Latin languages.
 - 2. Oriental, European, and other languages, arranged alphabetically.

Note: Books printed in Arabic, Pali, and other oriental and outlandish characters, except Hebrew (A c 3 and A n) and Sanscrit (A q 4) and Bibles (A c) and Hieroglyphics (U f 4) will be classified under O a 2.
- b Rhetoric, criticism, oratory, gesture, elocution, art of conversation and of reading aloud.
 - 1. Exercises in elocution. Speakers and readers.
 - 2. Art of composition and of making translations and abridgments. Punctuation.
- c Orations and orators; speeches, addresses, discourses.
 - 1. Collected funeral orations. (See U z.)
- d Poetry; treatises, history, etc.
 - 1. Greek and Latin poetry and translations. Also treatises thereon.
 - +. Homer.
 - 2. English poetry and epigrams. (See U p 3 + and U p 4 +.)
 - +. Songs and ballads. Chapbooks.
 - △. Scottish poetry and treatises thereon.
 - . History.
 - IV. Collected British poets and selections in the English language.
 - V. Collected American poets and selections.
 - 3. French poetry.
 - +. Early, Provençal, and patois; Chansons de geste, the troubadours and treatises thereon.
 - 4. German and Dutch poetry and poets.
 - 5. Italian poetry; also treatises and criticisms thereon.
 - 6. Other languages.
 - 7. Macaronics.

Note: In Poetry, Drama, and Fiction, translations into English (except of works written in Latin and Greek) are classed respectively O d 2, O e 2, and O f 2.
- e Drama. Treatises on the stage and histories thereof. Passion plays.
 - 1. Dramatic works; Greek and Latin and translations.
 - 2. " " English.
 - +. Shakespeare, including his life, etc.
 - 3. Dramatic works: French.

- 4. Dramatic works : German.
- 5. " " Italian.
- 6. " " Other languages.
- 7. Musical dramas. Librettos of operas and oratorios. (See I s 7 Δ.)
- f Fiction : treatises, history, etc.
 - 1. Works of fiction, wit and humor, imaginary voyages and adventures, fables and legends ; Greek and Latin and translations.
 - 2. English fiction.
 - +. Juveniles.
 - 3. French fiction.
 - 4. German fiction.
 - 5. Italian fiction.
 - 6. Other fiction.
 - 7. Folk lore, fairy tales, nursery rhymes, etc. (See A q 1.)
- g Anecdotes, proverbs, maxims, dialogues, emblems, mottoes, anagrams.
 - 1. Ana : table talk.
 - 2. Proverbs.
- h Epistolary writers.
 - 1. History and art of letter writing.
- i Polygraphy ; or the collected works of authors who have written on various subjects and in various styles.
 - 1. Greek and Latin, and translations.
 - +. Collected editions of the classics.
 - 2. English.
 - 3. French.
 - 4. German.
 - 5. Italian.
 - 6. Other.
- k Pamphlets on various subjects bound up together.
- l Pamphlets unbound and awaiting final classification.
- m Literary miscellanies : essays, extracts.
 - 1. Greek and Latin.
 - 2. English.
 - +. Early English Text and similar printing societies and collections.
 - 3. French.
 - 4. German.
 - 5. Italian.
 - 6. Quotations. Concordances other than of the Bible (A d). Index Society ; general indexes to periodicals.
 - +. Greek, Latin, etc.

Note : The Index to a particular work, to an author's collected works, and to a particular periodical, will be placed therewith.
- n Literary journals, magazines, reviews, and transactions.
 - 1. American.
 - +. Annuals.

2. British.
3. French.
4. German.
5. Other languages.

Note: Periodicals and transactions relating to a particular subject will be classed accordingly, the publications of purely literary associations being lettered O n.

- o Registers and historical journals, statesman's year-book, etc.
- p Gazettes, newspapers, prices current, arranged by localities.
 1. History of newspapers. Newspaper directories.
 2. Newspaper cuttings, scraps, and extracts.

CLASS U. HISTORY.

Note: In cases where the division under History is more minute than under Voyages and Travels (e. g. U d 8 Δ , U v 10 and U x 2), Travels are reckoned as History, and vice versa.

- a Treatises on history. Historic atlases. The philosophy of history.
- b Geography, gazetteers, etc.

Note: For geographies of the several United States and Territories see U y 8.

- 1. Atlases, maps, and charts of the world; miscellaneous maps. Cartography.
+. Ancient.
- 2. Atlases, maps, charts, and plans of Europe, arranged alphabetically by countries.
- 3. Atlases, etc., of Asia.
- 4. " " Africa.
- 5. " " America.
- 6. " " the United States.
+. Maps relating to the Rebellion.
- 7. U. S. Coast Survey Charts and Reports.
- 8. Atlases, etc., of particular States, in alphabetical order, and subdivided by counties, cities, etc. (See U y 8.)
- 9. Atlases, etc., of Australia, Oceanica, etc.
- 10. Hydrography; nautical charts; wind and current charts; sailing directions; light houses; the ocean world and its products; coral reefs; lake surveys; rivers. (See I v.)
- 11. Physical atlases and geographies.
- c Topography and statistics.
 - 1. Handbooks of Travel, and Guide books. (See U d 8 Δ , I i 6, I s 6 \square .)
 - 2. British topography, statistics, censuses, etc.
 - +. Ireland.
 - Δ . Scotland.
 - \square . Wales.
 - 3. British local histories, alphabetical, including Isle of Man.
+. London and the river Thames. (See I t 7.)

4. British county histories and guide books, arranged alphabetically. Isle of Wight.
- +. The Channel Islands.

5. American topography.

Note: For the county and local histories, etc., of the several States and Canada, see U y 8, and U y 9 +.

6. American statistics, censuses, etc. (See U y 7 vii.)
7. Directories, arranged alphabetically by localities.

d Voyages and travels. Treatises on travelling.

1. Histories and collections of voyages. Hakluyt Society.
2. Voyages and travels in various parts of the world. Overland route.
3. Round the world; South Seas; Polynesia; N. W. Passage; N. W. Coast of America.

+. Arctic and Antarctic expeditions and treatises thereon.

4. Australia, New Zealand, Van Dieman's Land, New Guinea.

5. Shipwrecks and disasters at sea. Life boats.

6. Travels in various parts of Europe; the Mediterranean; Dalmatia and Montenegro; the Rhine, etc.

7. Travels in the North of Europe; Russia, Germany, Hungary, Holland, and Belgium.

8. Travels in Italy, France, Spain, Portugal, Switzerland, etc.

+. Madeira, the Azores, and the Canaries.

△. Paris, including Guide books and histories.

9. Travels in Great Britain and Ireland.

10. Travels in Turkey, Greece, the Levant, the Crimea, Syria, Palestine, and Arabia.

+. The Holy Land, Moab, the Dead Sea, etc., including their history and geography.

△. Jerusalem.

11. Travels in Persia, China, Hindustan, the East Indies, etc.

+. Siberia and Kamtchatka. (See U q 2.)

△. Central Asia, Tibet, Tartary, Kashmir, etc. (See U x 3.)

□. Caucasus, Georgia, Armenia, the Caspian.

12. Travels in Africa.

+. Egypt, the Nile, Abyssinia, Ethiopia, Nubia. (See U x 4.)

△. South Africa. (See U x 11.)

□. Central Africa.

IV. St. Helena.

V. North Africa. (See U x 9, U x 12.)

VI. West Coast. (See I i 4 +, U x 10.)

VII. East Africa. (See U x 3 □.)

13. Travels in America and voyages thereto.

+. South America.

△. Central America and Colombia. The West Indies.

- e General history. Chronology. (See I p 2.) Ancient history.
 - 1. Historical dictionaries: dates.
- f Antiquities: archæology. (See I t 7.)
 - 1. Prehistoric; fossil man; antiquity of man; the stone age; lake dwellings. Atlantis. (See I m.)
 - 2. Chaldea, Babylonia, Assyria, Nineveh.
 - 3. Hindustan, Afghanistan, etc.
 - 4. Egypt and Abyssinia. The Pyramids. Hieroglyphics. Mythology. (See U x 4.)
 - 5. Etruria.
 - 6. Greece and Rome: Asia Minor, Ephesus, Palmyra, Baalbec. (See U m, and U u 2.)
 - +. Herculaneum and Pompeii.
 - △. The catacombs.
 - . The city of Rome; its antiquities and topography.
 - 7. Northern Europe. Druidical remains. British barrows.
 - 8. America. (See U y 1.)
 - 9. Customs and costumes, dress, fashions, popular antiquities, ceremonies, pageants, processions, funeral rites, sepulchres.
- g Numismatics; medals; ancient coins.
- h Chivalry, heraldry, peerage, genealogy, flags, etc. (See I g 3, and U o 1.)
 - 1. Heraldry and heraldic mottoes.
 - +. Continental Europe.
 - 2. Royal and noble Houses, Clans, Peerages, Family histories, arranged alphabetically, and followed by works on Names of persons and places.
 - +. American.
 - 3. Orders of Knighthood.
 - +. St. John and History of Malta.
 - △. Cincinnati.
 - 4. Duelling.
- i Secret Societies, Masonry, Antimasonry, the Rosicrucians, etc. (See A q 1, I e.)
- k Gipsies.
- l History of Greece.
 - 1. Modern Greece.
- m History of Rome.
 - 1. Julius Cæsar, the Emperors and Empresses. (See U s 2.)
 - 2. Byzantine empire. (See U x 1.)
- n Historical Extracts and Miscellanies, etc.
- o History of Europe. Modern history.
 - 1. Middle ages and Renaissance; Feudalism. (See U h.)
 - 2. Crusades.
 - 3. European Colonies. (See U p 10.)
 - 4. The Celts. (See I m 2.)

- p British history.
 - 1. England.
 - +. Anglo-Saxons.
 - △. The Rebellions of 1715 and 1745. The Pretenders and Non-jurors.
 - 2. Scotland.
 - +. Antiquities.
 - △. Mary Queen of Scots.
 - 3. Wales.
 - +. Welsh Bards.
 - 4. Ireland.
 - +. Irish Bards.
 - 5. Government publications; State papers; Parliamentary Blue Books and debates.
 - +. The Exchequer, National Debt, Customs.
 - △. Publications of the Record Com^a and of the Master of the Rolls.
 - 6. British politics, arranged chronologically.
 - +. Junius.
 - 7. Particular reigns; Wives of British sovereigns; Cromwell. (See U z note.)
 - 8. Naval and military history of Great Britain. Particular Regiments. Lives of Admirals. Army and navy lists. United Service Journals, etc. (See I v 1, I w 1.)
 - 9. Collected lives of British statesmen, regicides, etc.
 - 10. British Colonies and Empire. (See U o 3.)
- q History of Russia and Poland. (See U r 2.)
 - 1. Crimean and other wars with Turkey. (See U x 1.)
 - 2. Russia in Asia. (See U d 11 +.)
 - 3. Particular reigns.
 - 4. Poland.
- r History of Denmark, Sweden and Norway; Scandinavia; the Northmen and the Normans. Sagas. (See U d 7, U f 7.)
 - 1. Iceland.
 - 2. Lapland and Finland. (See U q.)
- s History of Germany.
 - 1. Austria, Hungary, Transylvania, Servia, etc. (See U x 1.)
 - 2. Holy Roman Empire, Charlemagne, Charles V., etc.
 - 3. Prussia and the New German Empire.
- t History of Holland and Belgium.
- u History of Italy and Switzerland.
 - 1. Switzerland and the Tyrol. (See U d 8.)
 - 2. Papal and modern Rome and the States of the Church. (See A o 2, A o 13, U f 6 □.)
 - 3. Venice.
 - 4. Naples: the Two Sicilies.
 - 5. Italian Republics: Monaco.

v History of France. (See A o 2 \triangle .)

1. Particular reigns, arranged chronologically, including *Mémoires pour servir.*
- +. Joan of Arc.
2. Revolution of 1789.
- +. The Dauphin.
3. Consulate and Empire. All lives, etc., of Napoleon I.: also his works.
4. Restoration, Revolution of 1830, Louis Phillippe.
5. Revolution of 1848.
6. Second Empire. Lives and works of Napoleon III.
7. Franco-German war.
8. Republic. The Communists.
- 9.
10. Corsica.

w History of Spain and Portugal. (See U x 6 +.)

x Asiatic and African history. The Mongols. Asiatic Societies, etc.

1. History of the Ottoman Empire and its possessions. The Eastern question. (See U q 1, U s 1.)
2. China and Japan: Coolies. Chinese Emigration. (See A q 6.)
3. Hindustan and the East Indies; Siam, Nepaul, Afghanistan, etc.
- +. The Hon. E. India Co. and the British rule in India.
- \triangle . Dutch East Indies. Borneo. Java.
- \square . Mauritius and Madagascar.
- IV. The Sepoy war.
4. Egypt and Abyssinia. (See U d 12 +, and U f 4.)
- +. Suez Canal.
5. Australasia, Melanésie, Oceanica, Polynesia, Australia, New Zealand.
6. Arabia, the Saracens and the Moors. (See U x 9.)
- +. Arabs in Spain and their antiquities. (See U w.)
7. Phenicia. (See U x 12.)
8. Persia.
9. Algiers and Algérie. Tunis, Tripoli, the Barbary States, Morocco, etc. (See U x 6.)
10. West coast of Africa: Dahomey. (See I i 4 +, U d 12 vi.)
11. South Africa. The Cape. (See U d 12 \triangle .)
12. Carthage. (See U x 7.)
13. Tartary.

y History of America.

1. The Aborigines. U. S. Reports on Indian Affairs, etc. (See U f 8.)
2. History of the U. States. Colonial history.
- +. Mississippi Valley and the Far West.
- \triangle . Pacific Slope.
3. Revolution.
- +. American Loyalists.

4. Second war with Great Britain.
5. Secession and the civil war: the Sanitary Commission: U. S. and State Adj.-General's Reports (1861 to 1868): Particular regiments: Rolls of Honor: the Freedmen: Reconstruction: the Alabama question: etc. (See U b 6 +.)
- +. Confederate States of America.
6. Local and occasional politics, etc., of the U. S., arranged chronologically. Pamphlets relating to American affairs.
- +. The Federalist.
7. U. S. Government. State Papers, Public Documents, Congressional Debates and Directories, etc.
- +. Blue Books, Registers of U. S. officers, Army and Navy lists, West Point Registers, etc.
- △. The Treasury and the Tariff.
- . War Department. (See U b 6 +.)
- IV. State “
- V. Navy “ Navy regulations.
- VI. Interior “
- VII. P. Office Department. (See I i 3 +.)
- VIII. District of Columbia: Washington City.
8. Particular States and Territories (Except Utah, A o 9), arranged alphabetically. (See U b note.)
Note: Under the history of each State are included, as a rule, its public documents: (See Ef2, Ih2, Il8, Uy5); also local histories, gazetteers, etc. (See U b 8, U c 7.)
9. British America and the W. Indies.
- +. Nouvelle France: Canada.
- △. Acadie: Nova Scotia, Newfoundland, New Brunswick, etc.
- . Jamaica.
- IV. St. Domingo: Hayti.
- V. Barbadoes.
- VI. Cuba, Porto Rico, etc.
- VII. Bahamas and Bermudas.
- VIII. Hudson's Bay Territory, Manitoba, Victoria, etc.
- IX. Danish West Indies.
10. Spanish America, Mexico, and Central America.
- +. The war between the U. S. and Mexico.
11. South America.
- +. Peru.
- △. Brazil, La Plata, Paraguay, etc.
- . Demarara and Guiana.
- IV. Chili and Patagonia.
12. Greenland and Labrador.
13. Buccaneers.
14. Naval and military history of U. S., including periodicals.

z Biography, personal narratives, diaries, wills, eulogiums, arranged alphabetically by subjects.

Note: Lives of reigning Sovereigns are classed U p, U q, U r, etc.

1. Biographical dictionaries and collections. (See A o 13, 14.) Next of kin.
Collected wills.
+ American.
△. Artists; painters, engravers, musicians, architects, players.
□. Judges, chancellors, lawyers.
2. Biography in the French language. (See U v 1.)
3. Portraits and treatises thereon, etc. (See I d and U g.)
4. Epitaphs.
5. Autographs.
+ American.

Note: Books, letters, etc., relegated to the Department of Manuscripts, will have a distinguishing mark (MS.) in the card catalogue, but will be classified precisely as if they were in print; autographs which have a value chiefly as illustrating the writer's life and character being marked U z 5, or U z 5+. The cards used for the Department of Manuscripts should be of a different color from the rest.

CLASS Y. BIBLIOGRAPHY.

- a General and miscellaneous catalogues and treatises. Periodicals. Best reading.
- b Special catalogues and treatises.
 - 1. Americana.
 - 2. Pseudonyms and autonyms.
- c Sale catalogues, Publishers' Circulars and Trade Lists.
- d Catalogues and descriptions of private libraries.
- e Catalogues of public libraries.
- f Art of cataloguing, classification of knowledge: Library economy, histories, associations, periodicals, etc.
- g Arts of writing, illuminating, printing, and book binding. Manufacture of paper and ink.
 - 1. Playing cards and block books, with fac-similes thereof.
 - 2. Exemplaria Typographica: Aldus, Baskerville, Strawberry Hill, Saur, Jansen, Ephrata, etc. Printing for the blind.
 - 3. Curious bindings.
 - 4. Penmanship.
 - 5. Philately. Catalogues of postage and excise stamps.
- h Stenography, Phonetic writing and printing, Steganography, etc.
- i Book rarities, incunabula, book plates and treatises thereon.
 - 1. Rarissima neenon pretiosa.
 - 2. Palæographia: Illuminated MSS. and Fac-similes. Diplomatics.
 - 3. Incunabula, and curious books of the 16th century.
 - 4. Ex-libris and treatises on book plates.
- k History and philosophy of literature.
 - 1. Greek and Latin.
 - 2. English.
 - +. American. (See Y b 1.)
 - 3. French.
 - 4. German, Dutch, and Scandinavian.
 - 5. Italian.
 - 6. Other. (See A n.)

INDEX.

N O T E.

For the convenience of Librarians who use Mr. Dui's system of classification, his numbers are appended in the OUTER COLUMN of this Index.

The letter S means *see the subject.*

When a reference is made to two or more subdivisions, they should all be referred to before deciding under which head to classify a particular book.

ALPHABETICAL INDEX.

“A place for everything, and everything in its place.”

| | | | | | |
|----------------------------|---------------------------|------------------------|------------------------|-------------------|------------------------|
| Abolition | I i 4, U y 5 | 326 | Africa— | A o | 276 |
| Aborigines of America | O a 2, U y 1 | 970 | ecclesiastical history | U b, U b 4 | 916 |
| Abortion | I n 4 | 618 | geography | I l 2 | 556 |
| Abridging; art of | O b 2 | 815 | geology | U x | 960 |
| Abyssinia | U f 4, U d 12 + | 963 | history | U c | 316 |
| “ language | O a 2 | 493 | statistics | U d 12 | 916 |
| Academies | I h 2 | 378 | travels | U d 12 □ | 916, 966 |
| “ of science | I y | 506 | Central | U d 12 vii | 916, 960 |
| Acadie | U y 9 △ | 971 | East | U x 9, U d 12 v | |
| Accounts | I u 2 | 657 | North | | 916, 961 |
| Acoustics | I r | 534 | South | U d 12 △ | 916, 968 |
| Acrostics | O m | 819, 829, 839, etc. | West Coast | U d 12 vi, U x 10 | |
| Acting | O e | 792 | | | 916, 966 |
| Actors, lives of | U z 1 △ | 927 | African colonization | I i 4 + | 325, 960 |
| Acts and Resolves | E f | 328 | Agricultural chemistry | I u 11 | 631 |
| Acts of the Apostles | A c 5, A e | 226 | Agricultural reports | I u 11 △ | 630 |
| Addresses | O c | 815, 825, 835, etc. | Agriculture | I u 11 | 630 |
| Adjutant-Generals' reports | U y 5, U y 7 □, U y 8 | 355 | Air | I k 3, I k 4 | 533 |
| Administration | I i, U y 7 | 350 | Alabama | U y 8 | 976 |
| Administrative law | E f | 342 | Alabama question | U y 5 | 341, 973, 942 |
| Admirals' lives | U p 8 | 923 | Alaska | U y 8 | 977 |
| Admiralty Law | E b | 346 | Albania | U d 10, U x 1 | 949 |
| Adultery | E l, I g 2 | 176, 345 | Albertypes | I s 5 | 774 |
| Advent, second | A l | 236 | Albigenses | A o 11, U u 272 | 944 |
| Advertising | I i 3, O p 1 | 659 | Alchemy | I e 1 | 540 |
| Aerolites | I k 3 | 551 | Alcoholic liquors | I g 5, I n 2 + | 178, 615, 663 |
| Aeronautics | I k 3 + | 533 | Ales | I u 10 + | 663 |
| Aesthetics | I s | 701 | Alexandrian philosophy | I a 1 | 180 |
| Aethiopia | U d 12 + | 966 | Algæs | I l 5 | 582 |
| Affections | I c | 157 | Algebra | I o 1 | 512 |
| Afghanistan | U f 3, U x 3, U d II △ | 958 | Algeria and Algiers | U x 9 | 965 |
| Africa—botany | I l 1, I l 5 | 586 | Aliens | E b | 343 |
| customs and costumes | U f 9 | 396 | Allegories | O f | 819, 829, 839, etc. |
| description | U d 12 | 916 | Almanacs | I p 1 | 528 |
| | | | “ statistical | I p 1, O o | 313 |

| | | | | | |
|---------------------------|-------------------|---------------|---|-----------------|-----------|
| Almshouses | I i 7 | 361 | Anatomy, art | I s 9 | 743 |
| Alphabets | O a | 411, 421, | " comparative | I n 1 | 591 |
| | | 431, etc. | " human | I n 1 | 611 |
| " ornamental | Y g | 745-748 | Ancient architecture | I t, I t 7, U f | 722 |
| Ambassadors | E b | 341 | " customs, costumes | U f 9 | 391 |
| Ambrotype | I s 5 | 772 | " design | I s 10 | 746 |
| America | U d 13, U y | 917, | " geography | U b, U b 1+ | 912 |
| | | 918, 970, 980 | " history | U e | 930 |
| America Central | U d 13△, | | " law | E d | 340 |
| | U y 10 | 917, 979 | " philosophies | I a, I a 1 | 180 |
| America North— | U d 13, U y | 970 | " sculpture | I s 4, I s 10 | 732 |
| botany | I 11, I 15 | 587 | Anecdotes, miscellaneous | O g | 829 |
| customs and costumes | U f 9 | 397 | " religious | O g | 249 |
| description | U e 5, U d 13, | | " sporting | I x 1+ | 796 |
| | U y | 917 | Aneurism | I n 3, I n 4 | 617 |
| ecclesiastical history | A o | 277 | Angels | A l, I e 3, 4 | 235 |
| geography | U b, U b 5, U b 6 | 917 | Anglican church | A o 3 | 283 |
| geology | I 13 | 557 | Angling | I x 1 | 799 |
| history | U y | 970 | Anglo-Saxon, history | U p 1+ | 942 |
| statistics | U o 6 | 317 | " language | O a 2 | 429 |
| travels | U d 13 | 917 | Animal magnetism | I e 4 | 134 |
| America South— | U d 13+, U y 11 | 980 | " kingdom | I 16 | 590 |
| botany | I 11, I 15 | 588 | Animalculæ | I 16, I r 1 | 593 |
| customs and costumes | U f 9 | 398 | Animals, domestic | I u 13 | 636 |
| description | U e 5, U d 13, | | Annuals, general | O n 1+ | 313 |
| | U y 11 | 918 | " special (see sub- ject). | | |
| ecclesiastical history | A o | 278 | Annuities | I o 4 | 333 |
| geography | U b, U b 1+ | 918 | Anonyms | Y b | 14 |
| geology | I 13 | 558 | Antarctic regions | U d 3+ | 999 |
| history | U y 11 | 980 | " " travels | U d 3+ | 919 |
| statistics | U e 6 | 318 | Anthropology | I m | 130 |
| travels | U d 13+ | 918 | Antilles | U y 9 | 979 |
| American antiquities | U f 8, U y 1 | 571 | Anti-Masonry | U i | 366 |
| biographical dictionaries | U z 1+ | 920 | Antinomianism | A o 16 | 234 |
| languages | O a 2, U y 1 | 499 | Antiquities (see country or subject) | I t 7, U f | |
| painting | I s 2, I s 10 | 756 | | | |
| philosophy | I a, I a 1 | 191 | " Biblical | A d | 220, 933 |
| revolution | U y 3 | 973 | " classical | U f 6 | 937, 938 |
| slavery | I i 4, U y 5, 6 | 326 | Antiquity of man | I m, U f 1 | 571 |
| Americana | Y b 1 | 970, 980 | Aphorisms | O g | 819, 829, |
| Americanisms | O a 2 | 427 | | | 839, etc. |
| Amherst College | I h 2 | 378 | Apocalypse | A c 5, A e | 228 |
| Amputation | I n 4 | 617 | Apocrypha | A c 4 | 229 |
| Amusements | I x | 175, 790 | Apologetics | A f | 239 |
| Ana | O g 1 | 819, 829, | Apoplexy | I n 5 | 616 |
| | | 839, etc. | Apostles | A d | 922 |
| Anæsthetics | I n 3 | 615, 617, 618 | Apostolic church | A o | 274-276 |
| Anagrams | O g | 14 | " succession | A l | 262 |
| Analysis, chemical | | 543 | Apothegms | O g | 819, 829, |
| " qualitative | I k 4 | 544 | | | 839, etc. |
| " quantitative | | 545 | Apparitions | I e 3, I e 4 | 133 |
| Analytical geometry | I o 2 | 516 | | | |

| | | | | | |
|---------------------------|-------------------|----------|------------------------|------------------|---------------|
| Apples | I u 11+ | 634 | Artillery | I w | 358 |
| Aquariums | I 16 | 590 | Artists' lives | U z 1△ | 927 |
| Aquatint | I s 2 | 766 | Arts and trades | I u | 600 |
| Aqueducts | I i 5 | 628 | Arts, fine | I s | 700 |
| Arabia, ancient history | U x 6 | 939 | " " biography of | I s 10, U z 1△ | 927 |
| " modern | U d 10, U x 6 | 953 | " " useful | I u | 600 |
| Arabic language | O a 2 | 493 | " " biography of | U z 1 | 926 |
| " philosophy | I a 1 | 197 | Ashantee | U d 12 vi | |
| Arabs in Spain | U x 6+ | 946 | | U x 10 | 967 |
| Arboriculture | I l 5 + I u 12 | 715 | " geography | U b, U b 4 | 916 |
| Arbors | I t 6, 7, I u 12 | 717 | Asia— | U x | 950 |
| Archæology | U f | 571 | botany | I l 1, I l 5 | 585 |
| Archæology, prehistoric | U f 1 | 571 | customs and costumes | U f 9 | 395 |
| Archery | I x 1 | 799 | ecclesiastical history | A o 1 | 275 |
| Arches | I t 7 | 721 | geography | U b, U b 3 | 915 |
| Archipelago, East Indian | U d 11, U x 3 | 915 | geology | I l 2, I l 3 | 555 |
| " Greek | U d 10 | 914 | history | U x | 950 |
| Architects, lives | U z 1△ | 927 | statistics | U o | 315 |
| Architectural drawing | I s 1 | 744 | travels | U d 11 | 915 |
| Architecture | I t | 720 | Asia Minor | U d 10, U f 6, | |
| " naval | I v | 699 | | U x 1 | 956 |
| Arctic regions | U d 3 + | 998 | Asiatic languages | O a 2 | 490 |
| " " travels | " | 919 | " societies | U x | 915, 950, 395 |
| Argentine republic | U y 11△ | 982 | Assassination | E h | 345 |
| Arianism | A o 8 + | 281, 232 | Assault and battery | E h | 345 |
| Aristocracy | I i | 322 | Assaying | I l 4, | 668 |
| Aristotelian philosophy | I a, I a 1 | 185 | Assent | I f | 163 |
| Arithmetic | I o 1 | 511 | Associations | A o 15, I i 5 +, | |
| Arizona | U y 8 | 977 | | I i 7, I y | 360 |
| Arkansas | U y 8 | 976 | " business | I i 3△ | 367 |
| Armenia | U d 11 □ | 956 | " charitable | I i 7 | 361 |
| Armenian Church | A o 1 | 281 | " musical | I s 7 | 789 |
| Armies | En, I w, U p 8, | | " religious | A o 15 | 362 |
| | U y 7△ | 355 | Assurance | I o 4 | 368 |
| Arminianism | A o, A o 7 | 287, 234 | Assyria | U f 2 | 935 |
| Armor | I w 1, U f 9, U h | 355 | Assyrian language | O a 2 | 493 |
| Army, British | U p 8 | 355 | Asthma | I n 5 | 616 |
| " U. S. | U y 3, 4, 5, 7 □, | | Astrology | I e 2 | 133 |
| | 10 + | 355 | Astronomical maps | I p | 524 |
| Army regulations | En | 355 | " observations | I p | 525 |
| " lists | U p 8, U y 7 + | 355 | Astronomy | I p | 520 |
| Art | I s | 600, 700 | Asylums, blind | I h 3, I i 7 | 361 |
| " anatomy | I s 9 | 743 | " deaf and dumb | I h 3, I i 7 | 361 |
| " biography | U z 1△ | 927 | " for insane | I n 8 | 361 |
| " Christian | I s 8 | 709 | " orphan | I i 7 | 361 |
| " decorative | I t 6 | 745-748 | Atheism | A b | 211 |
| " education | I s | 707 | Athletic sports | I x 1 | 796 |
| " history of | I s 10 | 709 | Atlantic ocean | U b 10 | 913 |
| " schools | I h 2, I s | 753-756 | Atlantis | U f 1 | 551, 912 |
| Artesian wells | I i 5 | 628 | Atlases | U b 1 to U b 9 | 910 |
| Articulates, paleontology | I l 2 | 565 | Atmosphere | I k 3 | 533 |
| " zoology | I l 6 | 595 | Atonement | A l | 234 |

ALPHABETICAL INDEX.

| | | | | | |
|-----------------------|-------------------|-----------------------------|---------------------------|-----------------|----------|
| Attributes of God | A b | 231 | Bells | I t 1, I u 4 | 671 |
| Auctions | I i 3 | 381 | Beloochistan | U d 11 Δ | 915 |
| Aurora | I k 3 | 537, 551 | Benevolent societies | I i 7, I t 1 | 361 |
| Australasia | } U b 9, U x 5, | 993 | Bermudas | U y 9 vii | 971 |
| Australia | | | Best reading | Y a | 017 |
| Austria | U d 3, 4 | 994 | Bhagvat Gita | A q 4 | 894 |
| Authority | U s 1 | 943 | Bible | A c | 220 |
| Authors' lives | I g, I i | 171 | " aids to study | A d | 220 |
| Autobiography | U z | 920, 929 | " antiquities | A d | 220, 933 |
| Autographs | U z 5 | 021 | " commentaries | A e | 220 |
| Autonyms | Y b | 041 | " concordances | A d | 220 |
| Ava | U d 11, U x 3 | 954, 663 | " dictionaries, etc. | A d | 220, 203 |
| Azores | | | " in schools | I h 2 | 377 |
| Baalbec | U d 8 + | 946 | " inspiration | A f 3 | 238 |
| Babylon | U f 6 | 93 | " societies | A o 15 | 362 |
| Backgammon | U f 2 | 935 | Biblical criticism | A e | 220 |
| Baconian philosophy | I x 2 | 795 | Bibliographies | Y a, b, c, d, e | 11 |
| Bahamas | I a, I a 1 | 192 | Bibliography | Y | 10 |
| Ball playing | U y 9 vii | 979 | Billiards | I x 2 | 795 |
| Ballads | I x 1 | 797 | Bimetalism | I i 2 | 332 |
| Ballooning | O d 2 + | 811, 821, 831, 841, etc. | Bindings, curious | Y g 3 | 025, 912 |
| Bampton lectures | I k 3 + | 533 | Biography | U z | 920 |
| Banditti | A f | 239 | " actors | U z 1 Δ | 927 |
| Bank Note Engraving | U n, U z 1 | 345, 366 | " American | U 3 1 + | 920 |
| Bankrupt laws | I s 3 | 768 | " army and navy | U p 8, U y 14 | 923 |
| Banks | E f | 343 | " artists | U z 1 Δ | 927 |
| Baptism | I i 2 | 332 | " British | U z | 920 |
| Baptists | A o 6 | 264 | " Christian | A o 13, 14 | 922 |
| Bar (legal) | A o 6 | 286 | " dictionaries | U z 1 | 920 |
| Bar tending | E a | 340 | " in French | U z 2 | 920-9 |
| Barbadoes | I u 10 + | 178 | " royal and noble | U h 2 | 923 |
| Barbary States | U y 9 v | 918, 980 | " statesmen | U p 9, U z 1 | 923 |
| Barometer | U x 9 | 961 | Biology | I c, I l 7 | 570 |
| Barrows, British | I k 3 | 533, 551 | Birds | I l 6 + | 598 |
| Bas-reliefs | U t 7 | 571 | " paleontology | I l 2 | 568 |
| Base ball | I s 4 | 731 | Birth | I n 4, U h 2 | 618 |
| Basque language | O a 2 | 499 | Births | U c | 312 |
| " provinces | U w | 946 | Blacksmithing | I u 3 | 682 |
| Baths | I l 2 +, I n 7 | 643 | Blasphemy | B h | 233 |
| Bavaria | U s | 943 | Bleaching | I u 5 | 667 |
| Beauties (selections) | O b 1, O d 2 iv v | 802 | Blind asylums | I i 7 | 361 |
| Beauty | I n 7, I s 1, O b | 701 | " education of | I h 3 | 361 |
| Beer | I u 10 + | 663 | " printing for | I h 3, Y g 2 | 361 |
| Bees | I u 14 | 638 | Blindness | I n 5 | 616 |
| Beetles | I l 6 | 595 | Block books | Y g 1 | 22 |
| Beet sugar | I u 11 | 664 | Blowpipe | I k 4 | 543 |
| Beets | I u 11 | 635 | Blue books, parliamentary | U p 5 | 328 |
| Belgium | U d 7, U t | 949 | " " United States | U y 7 + | 328 |
| Belles-lettres | O | 800 | Blue laws | E f 2, U y 8 | 343 |
| Bell-ringing | I t 1, I u 10 | 785 | Board of Health | I n 7 | 614 |
| | | | " of Trade | I i 3 Δ | 380 |
| | | | Boating | I v, I x 1 | 797 |

| | | | | | |
|-------------------------|-------------------------|----------------|----------------------|-------------------------|---------------|
| Boats | I v | 797, 699 | British topographies | U c 2 | 914 |
| Body and mind | I n 8 | 130 | Britons | I m 2, U p 942, 941 | |
| Bohemia | U s 1 | 943 | Bronchitis | I n 5 | 616 |
| Bohlen lectures | A f | 239 | Bronzes | I s 4 | 738 |
| Bokhara | U d 11 Δ , U x 3 | 959 | Buccaneers | U y 13 | 345, 366 |
| Bolivia | U y 11 | 984 | Buddhism | A q 4 | 294 |
| Bonaparte | U v 3 | 923 | Buenos Ayres | U y 11 Δ | 982 |
| Bonds and stocks | I i 2 | 333 | Building | I t | 690 |
| Bones | I n 1 | 611 | Bull fights | I x 1 | 796 |
| Book binding | Y g, Y g 3 | 10, 25, 686 | Burial | U f 9 | 390, 614, 719 |
| “ collecting | Y a | 10 | Burmah | U d 11, U x 3 | 954 |
| “ keeping | I u 2 | 657 | Business | I i 3 | 650, 380 |
| “ plates | Y i 4 | 027 | Business ethics | E e, I g 4 | 174 |
| “ rarities | Y i | 20 | “ manuals | I i 3 | 658 |
| Book of Common Prayer | A g 2 | 244 | Butterflies | I u 13 | 637 |
| Books | Y | 10, 20 | Byzantine Empire | I l 6 | 595 |
| Books of prints | I s 6 | 769 | Byzantium | U m 2 | 949 |
| Booksellers' catalogues | Y c | 17, 18 | Cabinet making | U b 1 + | 914 |
| Boot-making | I u 8 | 685, 675 | Cæsars | I u 7 | 684 |
| Borneo | U x 3 Δ | 992 | Calabria | U m 1 | 937, 923 |
| Botany | I l 5 | 580 | Calculators | U u 4 | 945 |
| “ fossil | I l 2 | 561 | Calculus | I i 2, I o | 511 |
| “ medical | I n 2 | 615 | Caledonia | I o 1 | 517 |
| Boxing | I x 1 | 796 | Calendar | U p 2 + | 941 |
| Boyle lectures | A f | 239 | California | I p 2 | 529 |
| Brahmanism | A q 4 | 294 | Calisthenics | U y 8 | 977 |
| Brain | I n 1, I n 8 131, 612 | | Caloric | I n 7 | 613 |
| Brandy | I u 10 + | 615, 663 | Calvinism | I k 1 | 536 |
| Brazil, history | U y 11 Δ | 981 | Cambists | A l, A o 11 Δ | 342 |
| “ travels | U d 13 + | 918 | Cambria | I i 2 | 332 |
| Breviaries | A g 1 | 244, 282 | Cambridge University | U p 3 | 942 |
| Brewing | I u 10 + | 663 | Cameos | I h 2 | 378 |
| Bric-a-brac | I t 6 + | 738 | Campbellism | I t 6 + | 636 |
| Bricks | I u 9 | 673 | Camping out | A o 11 | 286 |
| Bridge-building | I i 5 | 624 | Canada | U c 1 | 796 |
| Brigands | U z 1 | 345, 366 | Canal engineering | U y 9 + | 972 |
| British America | U y 9 | 971 | “ Suez | I i 5 | 626 |
| “ army | U p 8 | 355 | “ transit | U x 4 + | 626 |
| “ colonies | U p 10 | 942 | Canary Isles | I i 5 + | 386 |
| “ Columbia | U y 9 viii | 972 | Cancer | U d 8 + | 946 |
| “ empire | U p 10 | 942 | Cane sugar | I n 5 | 616 |
| “ Exchequer | U p 5 + | 328 | Canon law | I u 11 | 633 |
| “ government pub's | U p 5 | 328 | Canon of Scripture | Ed | 348 |
| “ history | U p | 942 | Caoutchouc | A d 1 | 220 |
| “ India | U x 3 + | 954 | Cape of Good Hope | I u 8 | 675 |
| “ Museum | I y 2 | 369 | Capital and labor | U x 11 | 968 |
| “ navy | U p 8 | 359 | Capital punishment | I i 1 | 331 |
| “ poets | O d 2 iv | 821 | Car-building | E h 1 | 345 |
| “ politics | U p 6 | 323, 942 | Cardinals | I i 6 | 699 |
| “ sovereigns | U p 7 | 923, 942 | Card-playing | A o 13 | 282, 922 |
| “ statesmen | U p 9 | 923 | Caribbee Islands | I x 2 | 795 |
| | | | | U d 13 Δ , U y 9 | 989 |

ALPHABETICAL INDEX.

| | | | | | |
|-------------------------|-------------------------|----------|-------------------------|----------------|---------------|
| Caricatures | I s 6 Δ | 741 | Chances | I o 4 | 519 |
| Carpentry | I t 4 | 694 | Change of air | I n 3 Δ | 613 |
| Carpets | I u 5 | 677, 645 | Charades | I x 2 | 795 |
| Carriage making | I u 7 | 684 | Charges, Episcopal | A m | 257 |
| Carthage | U x 12 | 939 | Charitable associations | I i 7 | 361 |
| Carving | I u 15 | 643 | Charlemagne | U s 2 | 944, 923 |
| " and chasing | I s 4 | 736 | Charles V. | U s 2 | 946, 943, |
| Cashmere | U d 11 Δ | 954 | " 949, 923 | | |
| Caspian | U d 11 \square | 914, 947 | Charts | U b 7, U b 10 | 910 |
| Castile | U w | 946 | Charts, history | U a | 908 |
| Casts | I s 4 | 730 | Chasing | I s 4 | 736 |
| Casuistry | I g 4 | 171 | Checkers | I x 2 | 795 |
| Catacombs | U f 6 Δ | 319, 719 | Cheese | I u 13 | 637 |
| Catalogues—Authors | Y a, b, c, d | 18 | Chefs d'œuvre | I u 16, I s 6, | |
| " book sales | Y c | 12-18 | " Od 2 iv | | 8 |
| " Books | Y a, b, c, d | 12-18 | Chemical analysis | I k 4 | 543 |
| " Libraries | Y d, Y e | 12-18 | " technology | I k 5 | 660 |
| " Subjects | Y a, b, c, d | 17 | Chemicals—manufacture | I k 5, I u 5 | 661 |
| Cataloguing | Y f | 019 | Chemistry | I k 4 | 540 |
| Catarrh | I n 5 | 616 | " agricultural | I u 11 | 631 |
| Catechisms | A g | 241 | " applied to the | I k 5 | 660 |
| Cathedrals | I t 1, I t 7 | 726 | " arts | | |
| Catholic and Protestant | A l 1 | 282 | Chess | I x 2 + | 794 |
| Catholic Church | A o 2 | 282 | Childbirth | I n 4 | 618 |
| Cattle | I u 13 | 636 | Children, diseases of | I n 5 | 616 |
| Caucasus | U d 11 \square | 914, 447 | Chili | U y 11 iv | 983 |
| Caucuses | U y 6 | 324 | Chimneys | I t 2 | 693 |
| Cavalry | I w | 357 | China, ancient | U x 2 | 931 |
| Cave temples | U f 3 | 551 | " modern | U x 2, U d 11 | 951 |
| Caves | I l 2, U f 1 | 551 | Chinese history | U x 2 | 951 |
| Celibacy | A l 1, I g 2 | 136, 176 | " language | O a 2 | 491 |
| Celtic language | O a 2 | 496 | " literature | A q 6 | 891 |
| " literature | U p 3 + | 896 | " religion | A q 6 | 299 |
| Celts | U p 4 +, Y k | 896 | Chivalry | U h | 322 |
| Cements | I m 2, U o 4 | 936 | Chloroform | I n 2 | 615, 617, 618 |
| Cemeteries | I t 3 | 693 | Cholera | I n 5 | 616 |
| Censuses | I u 12, U f 9 | 719 | Christ | A d, A l | 232 |
| Centennial Exhibition | U c, U c 2, U c 6 | 310 | Christian antiquities | A o | 270 |
| Central Africa | I u 16 | 606 | " art | I s 8 | 709 |
| " America | U d 12 + | 966 | " associations | A o 15 | 362 |
| " Asia | U d 11 Δ , U x 3 | | " Church | A o | 261, 280 |
| | | 915, 958 | " doctrines | A l, A o 16 | 230 |
| Ceramic art | I u 9 | 673, 738 | " ethics | I g 4 | 170 |
| Ceremonies | U f 9 | 390 | " fathers | A k | 270 |
| " religious | A g, A q 1 | 244 | " iconography | I s 8 | 732 |
| Cetacea | I l 6 | 599 | " institutions | A o 15 | 260 |
| Ceylon | U d 11, U x 3 | 954 | " sects | A o 11 | 280 |
| Chaldea | U f 2 | 935 | Christianity, evidences | A f | 239 |
| Chaldee language | O a 2 | 493 | " history | A o | 270-289 |
| Chamber of Commerce | I i 3 Δ | 380 | Christians, biography | A o 14 | 922 |
| Chancery law | E e | 344 | Christmas customs | U f 9 | 390 |
| | | | Christology | A o 16 | 232 |

| | | | | | |
|-----------------------|-----------------|---------------|-------------------------|------------------|----------------|
| Chromolithography | I s 3 | 764 | Cock fighting | I x 1 | 796 |
| Chromatography | I s 2 | 752 | Co-education | I h | 376 |
| Chronologies | U e | 902 | Coffee | I u 11, 15, | |
| Chronology | I p 2 | 529 | | I n 2+, 641, 633 | |
| Church | A o | 261 | Coinage | I i 2 | 332 |
| " architecture | I t 1 | 726 | Coins | I i 2, U g | 737 |
| " and schools | I h 2 | 377 | Coleoptera | I l 6 | 595 |
| " and state | A l, A o 3 | 261, 172, | Collected biography | A o 14, U z 1 | 920 S |
| | | 329 | " travels | U d 1 | 910 S |
| " fathers | A k | 270 | " works | O 1 | S |
| " history | A o | 27c-289 | Collections, art | I s 6 | 708 |
| " music | I s 7 □ | 783 | " drawing and design | I s 6 | 749 |
| " needlework | I s 8 | 745 | " engraving | I s 6 | 769 |
| " of England | A o 3 | 283 | " painting | I s 6 | 759 |
| " of Rome | A o 2 | 282 | " photography | I s 5 | 779 |
| " polity | A l | 262 | " of poetry | O d 2 iv, | 811, 821, |
| " primitive | A o | 270 | | v | etc. |
| Cincinnati Society | U h 3 △ | 369 | " of useful knowledge | I b | 602 S |
| Circassia | U d 11 □ | 947 | " sculpture | I s 4 | 739 |
| Circumnavigations | U d 3 | 910 | Collectors' manuals | I l, I s 10 | 579 |
| Citizenship | E b | 342 | College songs | O d 2 + | 784 |
| City transit | I i 5, I i 6 | 388 | Colleges | I h 2 | 378 |
| Civil engineering | I i 5 | 620 | Collieries | I l 4 + | 628 |
| " law | E d | 348 | Colombia, S. A. | U d 13 +, U y 11 | 986 |
| " service organs | U p 5, U y 7 | 351 | Colonial history U. S. | U y 2 | 973 |
| " " reform | I i, U y 6 | 351 | " system | U p 10 | 325 |
| " trials | I k 2, 3 | 340 | Colonies | U o 3, U p 10 | 325 |
| " war | U y 5 | 172, 976 | Colonization | I i 3 | 325 |
| Civilization—progress | I m 3 | 313 | " African | I i 4 + | 960, 325 |
| Clairvoyance | I e 4 | 134 | Color | I r, I s 2 | 535 |
| Clans | U h 2, U p 2 + | | Coloring | I t 6, I u 5 | 667 |
| | | 394, 941 | Colors, manufacturing | I u 5 | 661 |
| Classical antiquities | U f 6 | 937, 938 | Colors, painting | I s 2 | 752 |
| " education | I h | 375 | Columns | I t 7 | 720, 730 |
| " mythology | A q 2 | 292 | Combustion | I k 1 | 541 |
| Classics, Greek | O i 1 + | 488, 880 | Comedy | O e | 812, 822, 832, |
| " Latin | O i 1 + | 478, 870 | | | etc. |
| Classification | Y f | 112 | Comets | I p | 523 |
| Clergy, lives of | A o 13, 14, U z | 922 | Comic journals | I s 6 △ | 818, 828 |
| Climate | I k 3 | 551 | " works | O f | 818, 828, 838, |
| Climatology | I k 3 | 551, 536 | | | etc. |
| Clinics | I n 3 | 610 | Commemorative sermons | A m, U z | 259 |
| Clock-making | I u 6 | 681 | Commentaries, Bible | A e | 220 |
| Clothes-making | I u 17 | 687 | " law | E b, d, e, f | 340 |
| Clothing | I u 17, U f 9 | 646 | Commerce | I i 3 | 380, 650 |
| Clubs | U e 3 +, U f 9 | 369 | " history of | I i 3 + | 380, 650 |
| Coaching | I x 1 | 381, 798 | Commercial dictionaries | I i 3 | 380, 650 |
| Coal | I l 4 + | 549, 644 | " law | E e | 343 |
| Coal oil | I l 2 △ | 549, 644, 665 | " periodicals | I i 3 + | 380, 650 |
| Coast survey | U b 7 | 622 | Common law | E e | 343 |
| Coats of arms | U h 1 | 929 | Common schools | I h 2 | 372 |
| Cochin China | U d 11, U x 3 | 951 | Communication | I i 5 | 380, 650 |

| | | | | | |
|-----------------------------|-------------------------|---------------|----------------------------|------------------------------|---------------|
| Communion | A g, A l | 265 | Continental travels | U d 6 | 914 |
| Communism | I i 1 | 335 | Contracts | K e | 343 |
| Communists, French | U v 8 | 335 | Controversial divinity | A l | 230 |
| Companies | I i 2, 3, 4, 5, 6, 7 | 360 8 | Conundrums | I x 2 819, 829, 839, etc. | |
| Comparative anatomy | I n 1 | 591 | Convents | A o 15 + | 362, 271 |
| " mythology | A q 1 | 291 | Conversation | O b | 177 |
| " philology | O a | 410 | Conversion | A l | 233, 269, 241 |
| Compass | I v | 629, 538, 527 | Conveyancing | E e t | 349 |
| Compends— | | | Cookery | I u 15 | 641 |
| history | U e | 902 | Coolies | U x 2 | 331, 395 |
| fine arts | I s | 702 | Co-operation | I i 1 | 331 |
| literature | Y k | 802 | Copper | I l 4, I u 4 | 671, 549 |
| natural science | I k | 502 | Copper engraving | I s 3 | 762 |
| philology | O a | 402 | Coptic language | O a 2 | 492 |
| philosophy | I a 1 | 102 | Copyright | E m | 343 |
| science | I k | 502 | Corals | I l 6, U b 10 | 593 |
| sociology | I m 3 | 302 | Corea | U d 11, U x | 959 |
| theology | A | 202 | Corn laws | I i 1, U p 6 | 347, 343 |
| useful arts | I u | 602 | Cornices | I t 2 | 721 |
| Composition | O b 2 | 815 | Coroners | E e | 343 |
| " musical | I s 7 | 781 | Corporal punishment | E h | 371 |
| Comte's philosophy | I a | 194, 145 | Corporations | E e | 360 |
| Conchology | I l 6 | 594 | " charitable | I i 7 | 361 |
| Concordances | O m 6 | 220 | " mining | I l 4 △ | 628, 343 |
| Concordances of Bible | A d | 220 | " railroad | I l 6 | 343, 385, 656 |
| Confectionery | I u 15 | 642 | Correction, houses of | E h | 364 |
| Confederate States | U y 5 + | 973, 976 | Correlation of forces | I k | 530 |
| Confessional | A l 1, I g 4 | 282 | Correspondence | O h | 816 |
| Confessions | A o 16 | 8 | " Swedenborgian | I e | 289 |
| Confucianism | A q 6 | 299 | Corsica | U v 10 | 944 |
| Congregationalism | A o 5 | 285 | Cosmetics | I u 17 | 646 |
| Congress of Vienna | U v 3 | 923 | Cosmogony | A q 1 | 113 |
| Congressional debates | U y 7 | 328 | Cosmology | I l | 113 |
| " directories | U y 7 | 328 | Cossacks | E m 2, U q | 947 |
| " documents | U y 7 | 328 | Costa Rica | U d 13 △, U y 10 | 979 |
| Conic sections | I o 2 | 515 | Costumes | U f 9 | 390 |
| Connecticut | U y 8 | 974 | Cottages | I t 2 | 728 |
| Conscience | I g 4 | 170, 233 | Cotton manufactures | I u 5 | 678 |
| Conservatories, plants | I u 12 | 716, 635 | " planting | I u 11 | 633 |
| Conservatories of music | I t 7 | 789 | " trade | I i 3 + | 381, 382 |
| Constantinople | U c 1, U m 2, U x 1 | 914, 994 | Councils, ecclesiastical | A o 16 | 262, 270 |
| | | | " municipal | U y 8 | 324 |
| Constitution, English | E f 3 + | 323 | Counterfeiting | I i 2 | 345, 332, 737 |
| " United States | E f 1 | 324 | County histories, American | U y 8 | 974-977 |
| Constitutional law | E f | 342 | " " British | U c 4 | 942 |
| Construction, architectural | I t | 721 | Courtesy | I g 3 | 177 |
| Consulate and Empire | U v 3 | 944 | Courts martial | E n | 347 |
| Consuls | E b, U y 7 + | 327 | Cousin's philosophy | I a | 194 |
| Consumption | I n 5 | 616 | Covenanters | A o 4 | 274, 941 |
| Contagion | I n 3 | 614 | Cows | I u 13 | 636, 637 |
| Continental heraldry | U h 1 + | 929 | Cranberries | I u 11 | 634 |

ALPHABETICAL INDEX.

41

| | | | | | |
|-------------------------------|---------------------|-----------|----------------------------|-------------------|----------|
| Craniology | I m 2 Δ | 611, 571, | Deaf and dumb institutions | I h 3, I i 7 | 361 |
| | | 573 | Deafness | I h 3, I n 5 | 616 |
| Crayon drawing | I s 1 | 741 | Death | I e, I n 1 | 612 |
| Creation | A f 1, I l | 213 | " and resurrection | A f 2, A l | 236 |
| Creeds | A g | 244, 280 | " penalty | E h 1 | 345 |
| Credit | I i 2 | 334 | Debates | U p 5, U y 7, | |
| Cremation | I n 7, U f 9 | 614, 390 | | etc. | 815 |
| Crete | U l 1 | 949 | Debating societies | I h 4 | 374, 815 |
| Cricket | I x 1 | 796 | Debt, public | I i 2, U p 5 +, | |
| Crime | E h | 345 | | U y 7 Δ | 336 |
| Crimea | U d 10 | 947 | Decimal system | I o 1 | 511 |
| Crimean war | U q 1 | 947 | " weights & measures | I i 3 | 389 |
| Crimes and punishments | E h | 345 | Declamation | O b | 815 |
| Criminal law | E h | 345 | Decorative art | I t 6 | 745-748 |
| " trials | E k | 345 | Deductive logic | I f | 162 |
| Criminals, juvenile | E h | 345 | Deism | A b | 211 |
| " collected lives | U z 1 | 923 | Delaware | U y 8 | 975 |
| Critical psychology | I e | 142 | Delusions | I e 3 | 133 |
| Criticism | O b S, (see Essays) | | Democracy | I i | 324 |
| " biblical | A e | 220 | Demonology | I e 3 | 133 |
| " dramatic | O e | 792, 812 | Denmark | U d 7, U r | 948 |
| Croatia | I s 1 | 943 | Denominations, Christian | A o 11, A q 1 | 280 |
| Crocheting | I u 17 | 793 | Dentistry | I n 4 + | 617 |
| Cromwell | U p 7 | 942, 923 | Department of Interior | U y 7 vi | 353 |
| Croquet | I x 1 | 796 | " Navy | U y 7 v | 359 |
| Croup | I n 5 | 616 | " of State | U y 7 iv | 351, 327 |
| Cruelty to animals | I i 7 | 364, 179 | " Post-office | U y 7 vii | 383 |
| " to children | I i 7 | 364, 179 | " Treasury | U y 7 Δ | 352 |
| Crusades | U o 2 | 274, 940 | " War | U y 7 \square | 355 |
| Crustacea | I l 6 | 595 | Depravity | A l | 233, 216 |
| Cryptogamia | I l 5 | 582 | Derangement, mental | I n 8 | 132 |
| Crystallography | I l 4 | 458 | Descartes' philosophy | I a, I a 1 | 194 |
| Cuba | U y 9 vi | 979 | Descriptive astronomy | I p | 523 |
| Cuneiform languages | O a 2 | | " geometry | I o 2 | 744 |
| Currency | I i 2 | 332 | Design, arts of | I s 1 | 740 |
| Currents | U b 10 | 551 | " ornamental | I t 6 | 745-8 |
| Curvilinear motion | I q | 531 | Despotism | I i | 321 |
| Customs and duties | I i 3 +, U p 5 + | 337 | Detectives | E h | 354 |
| " " manners | U f 9 | 390 | Deuteronomy | A c 3 | 222 |
| Cyclopædias, general | I b | 30 | Development theory | I l 7 | 575 |
| Cypher writing | Y h | 651 | Devil | A l, A q 5, I e 3 | 235 |
| Daguerreotype | I s 5 | 772 | Devotional theology | A h | 240 |
| Dahomey | U d 12 vi, U x 10 | | Dew | I k 3 | 551 |
| | | 916, 967 | Dialectics | I f | 160 |
| Dairy | I u 13 | 637 | Dialects— | O a 2 | 8 |
| Dalmatia | U d 6 | 943 | English | " | 427 |
| Dancing | I x 2 | 793 | French | " | 447 |
| Danish | O a 2 | 498 | German | " | 437 |
| Darwinism | I l 7 | 575 | Greek | O a 1 | 487 |
| Dates | U e 1 | 902 | Italian | O a 2 | 457 |
| Dauphin | U v 2 + | 923, 944 | Latin | O a 1 | 477 |
| Dead Sea | U d 10 + | 915 | Spanish | O a 2 | 467 |

ALPHABETICAL INDEX.

| | | | | | |
|-------------------------|-------------------|------------------|-----------------------------|---------------------|-----------|
| Dialling | I u 6 | 681 | Doctrinal history | A o 16 | 273 |
| Dialogues | O g | 792 | " sermons | A m | 253 |
| Diamonds | I t 6 + | 552 | " theology | A l | 230 |
| Diaries | U z | 920 | Dogma | A o 16 | 230 |
| Dictionaries— | | 8 | Dogs | I 16, I x 1 | 599, 636 |
| arts and sciences | I b | 503, 603, 703, 8 | Domestic and for'n relat'ns | U p 5, U y 7 | 327 |
| biographical | U z 1 | 920 | " animals | I u 13 | 636 |
| comparative | O a | 413 | " architecture | I t 2 | 728 |
| English | O a 2 | 423 | " economy | I u 17 | 640 |
| fine art | I s | 703 | " medicine | I n 3 | 615 |
| French | O a 2 | 443 | " trade | I i 1, I i 3 | 381 |
| German | " | 433 | " worship | A g | 248 |
| Greek | O a 1 | 483 | Dominoes | I x 2 | 795 |
| history | U e 1 | 903 | Drainage | I i 5, I n 7, I t 5 | |
| Italian | O a 2 | 453 | | | 631, 614 |
| Latin | O a 1 | 473 | Drama, general treatises | O e | 812 |
| literature | Y a | 803 | " English | O e 2 | 822 |
| medical | I n | 610 | " French | O e 3 | 842 |
| natural science | I k | 503 | " German | O e 4 | 832 |
| philology | O a | 403 | " Greek | O e 1 | 882 |
| philosophy | I a 1 | 103 | " Italian | O e 5 | 852 |
| science | I b | 503 | " Latin | O e 1 | 872 |
| sociology | I m 3 | 303 | " Parlor | I x 3 | 792 |
| Spanish | O a 2 | 463 | " Spanish | O e 6 | 862 |
| theology | A | 203 | Dramatic amusements | I x 2, O e | 792 |
| useful arts | I u | 603 | " biography | U z 1 △ | 927 |
| Didactic theology | A l | 241 | " music | I s 7, O e 7 | 782 |
| Die-making | I u 4 | 736 | Draughts | I x 2 | 795 |
| Diet | I n 7 | 613 | Drawing | I s 1 | 740 |
| Differential calculus | I o 1 | 517 | Drawing-books | I s 1 | 741 |
| Digestion | I n 1 | 612 | Dreams | I e 4 | 135 |
| Digests | E f | 343 | Dress | U f 9 | 646 |
| Dining | I u 15 | 643 | " making | I u 17 | 646 |
| Diphtheria | I n 5 | 616 | Drives | I u 12 | 713 |
| Diplomacy | E b | 327, 341 | Driving | I x 1 | 798 |
| Diplomatics | Y i 2 | 10, 21 | Drugs | I n 2 | 615 |
| Directories | U c 7 | 910 | Drunids | A q 3, U f 7, | |
| Disasters at Sea | U d 5 | 656 | | U o 4 | 299 |
| Discipline, education | I h | 371 | Duelling | U h 4 | 177, 395, |
| Discourses | A m, O o | 252-9 | | | 392 |
| Diseases | I n 3, I n 5 | 616 | Dutch East Indies | U x 3 △ | 915, 959 |
| Disinfection | I n 7 | 614 | " language | O a 2 | 439 |
| Dispensaries | I i 7 | 615 | " painting | I s 10 | 753 |
| Dispensatories | I n 2 | 615 | " poetry | O d 4 | 831 |
| Dissection | I n 1 | 611 | " Reformed Church | A o 11 △ | 289 |
| Dissenters | A o 5, 6, 7, etc. | 289, 283 | " Republic | U t | 949 |
| | | | Duties | I g | 170 |
| Distillation | I u 10 + | 663 | " and customs | I i 1, I i 3 | 337 |
| District of Columbia | U y 7 viii | 976 | Dwarfs | I m | 130 |
| Divination | I e | 133 | Dyeing | I u 5 | 667 |
| Diving and diving bells | I v 2 | 627 | Dynamical electricity | I k 2 | 537 |
| Divorce | E l, I g 2 | 343, 173 | " geology | I l 2 | 533 |

| | | | | | |
|----------------------------|------------------|----------|---------------------------|----------------|----------|
| Dynamics | I k | 531 | Elective franchise | I i 1, U y 6 | 324 |
| Dysentery | I n 5 | 616 | Electricity | I k 1 | 537 |
| Dyspepsia | I n 5 | 616 | “ applied | I k 2 | 537 |
| Ear diseases | I n 5 | 616 | Electro-magnetism | I k 1, 2 | 538 |
| “ functions | I r | 612 | Eleemosynary institutions | A o 15, I i 7 | 361 |
| Early English Text Society | O m 2 + | 820 | Elementary education | I h 1 | 372 |
| Early Greek philosophy | I a 1 | 182 | Eleusinian mysteries | A q 2 + | 391, 292 |
| Earth | I l 2, U b | 551 | Elgin marbles | I y 2 | 733 |
| “ figure of | I p | 526 | Elocution | O b | 815 |
| Earthquakes | I l 2 | 553 | Eloquence | O b | 815 |
| Easter | A g | 244 | Emancipation | I i 4, U y 5 | 326 |
| Eastern Churches | A o 1 | 281 | Embalming | I u 17, U f 4 | 390 |
| “ empire | U m 2 | 949 | Embargo | E b, U y 4 | 346, 341 |
| “ question | U x 1 | 949 | Emblems | O g | 219 |
| “ States | U y 8 | 974 | Embryology | I n 1, I n 4 | 576 |
| East India Company | U x 3 + | 382 | Emigration | I i 3, U p 10 | 325 |
| East Indies | U d 11, U x 3 | 954 | Emperors, Roman | U m 1 | 923, 937 |
| “ Dutch | U x 3 △ | 915, 959 | Empirical psychology | I a 1, I c | 144 |
| Eccentrics, lives of | U z 1 | 920 | Empresses, Roman | U m 1 | 923, 937 |
| Ecclesiastical art | I s 8 | | Enamel painting | I s 2 | 751 |
| “ history | A o | 270 | Encaustic “ | I t 6 | 751 |
| “ law | E d | 348 | Encyclopaedias, general | I b | 30 |
| “ polity | A l | 262 | Engineering | I i 5 | 620 |
| “ trials | E k | 348, 270 | “ instruments | I o 3, I p | 629 |
| Echinoderms | I l 6 | 593 | “ military | I w | 623 |
| Electic medicine | I n 3 □ | 616 | “ mining | I l 4 | 628 |
| “ philosophy | I a, I a 1 | 199 | “ railroad | I i 6 | 625 |
| “ psychology | I a, I c | 148 | “ steam | I q | 621 |
| Eclipses | I p | 523 | “ topographical | I i 5 | 622 |
| Economy, domestic | I u 17 | 640 | England, geography | U c 2 | 914 |
| “ political | I i 1 | 330 | “ history | U p 1 | 942 |
| Ecuador | U d 13 +, U y 11 | 989 | “ travels | U d 9 | 914 |
| Education | I h | 370 | English army | I w 1, U p 8 | 355, 942 |
| “ element'y works | I h 1 | 372 | “ Church | A o 3 | 283 |
| “ fine arts | I s | 707 | “ dialects | O a 2 | 427 |
| “ history | I h 2 | 907 | “ dictionaries | O a 2 | 423 |
| “ medical | I n 9 | 610 | “ drama | O e 2 | 822 |
| “ military | I h 2, I w | 355 | “ etymology | O a 2 | 422 |
| “ natural sciences | I k | 507 | “ government | E f 3 +, U p 5 | 323 |
| “ philology | O a | 407 | “ grammar | O a 2 | 425 |
| “ philosophy | I a 1 | 107 | “ language | O a 2 | 420 |
| “ science | I h | 507 | “ literature | Y k 2 | 820 |
| “ self | I h 4 | 374 | “ navy | I v 1, U p 8 | 359, 942 |
| “ useful arts | I u | 607 | “ orthography | O a 2 | 421 |
| Educational institutions | I h 2 | 378 | “ painting | I s 2 | 756 |
| “ reports | I h 2 | 379 | “ philology | O a 2 | 420 |
| Egypt, ancient | U f 4 | 932 | “ philosophy | I a 1 | 192 |
| “ modern | U d 12 +, U x 4 | 962 | “ poetry | O d 2 | |
| Egyptian language | U f 4 | 492 | “ prosody | O a 2, O d 2 | 426 |
| “ literature | U f 4, Y k 6 | 892 | “ sculpture | I s 4 | 735 |
| Election sermons | A m | 256 | “ synonyms | O a 2 | 424 |
| Elections | U y 6 | 324 | “ texts | O m 2 + | 428 |

ALPHABETICAL INDEX

| | | | | | |
|----------------------------|--------------------|---------------------|---------------------------|-----------------|----------|
| Engravers' lives | U z 1 △ | 927 | Essays, theology | A 1 | 204 |
| Engraving | I s 3 | 760 | " useful arts | I u | 604 |
| Enigmas | I x 2, O m | 819, 829, | Etching | I s 3 | 767 |
| | | 839, etc. | Eternal punishment | A 1, I e | 237 |
| Entertaining collections | O f 2 +, | 310, 829, | Etherization | I n 3 | 617 |
| | O g | 839, etc. | Ethics | I g | 170 |
| Entertainments | I u 15, I x 2 | 791 | " legal | E a | 170, 340 |
| Enthusiasm | A o 7, I c | 137 | " medical | I n 3 + | 170, 610 |
| Entomology | I 1 6 | 595 | Ethiopia | U d 12 + | 966 |
| Entozoa | I 1 6 | 595 | Ethnography | U f 9 | 390 |
| Ephemerides | I p 1 | 528, 525 | Ethnology | I m 2 | 572 |
| Ephesians | A c 5 | 956, 938 | Etiquette | I g 3 | 177 |
| Ephesus | U f 6 | 956, 938 | Etruria | U f 5 | 937 |
| Epics | O d | 811, 821, | Etymologies, comparative | O a | 412 |
| | | 831, etc. | " English | O a 2 | 422 |
| " Greek | O d 1 | 883 | " French | O a 2 | 442 |
| " Latin | O d 1 | 873 | " German | O a 2 | 432 |
| Epicurean philosophy | I a 1 | 187 | " Greek | O a 1 | 482 |
| Epidemics | I n 5 | 614 | " Italian | O a 2 | 452 |
| Epigrams | O d, O d 1, O d 2, | 819, 829, 939, etc. | " Latin | O a 1 | 472 |
| | | | " Spanish | O a 2 | 462 |
| Episcopal Church | A o 3 | 283 | Eucharist | A g, A l 1 | 265 |
| Epistles, Bible | A c 5 | 227 | Eulogies | O c 1, U z | 920, 259 |
| Epistolary writers | O h | 928 | Europe—botany | I l 1, I l 5 | 584 |
| Epistolography | O h 1 | 816, 826, etc. | customs and costumes | U f 9 | 394 |
| Epitaphs | U z 4 | 929 | ecclesiastical history | A o | 274 |
| Equador | U d 13 +, U y 11 | 989 | geography | U b, U b 2 | 914 |
| Equestrian exercise | I x 1 | 798 | geology | I l 3 | 554 |
| Equipments of armies | I w | 355 | history | U o | 940 |
| " of navies | I v | 359 | statistics | U c | 314 |
| Equity | E e | 344 | travels | U d 6 | 914 |
| Erse language | O a 2, U p 2 + | 496 | Evidence (law) | E a | 349 |
| " poetry | O d 2 △, O d 6 | 896 | Evidences of Christianity | A f | 239 |
| Eschatology | A l | 236 | Evil | A l, I a, I e 3 | 216 |
| Esquimaux | I m 2, U d 3 + | 979, 998 | Evolution | I l 7 | 575 |
| Essays, English literature | O m 2 | 824 | Exchange | I i 2 | 332 |
| " fine arts | I s | 704 | Exchequer | U p 5 + | 352 |
| " French | O m 3 | 844 | Excise | I i 2 | 336 |
| " German | O m 4 | 834 | Excise laws | I g 5, I i 2 | 337 |
| " history | O n | 904 | Exegesis | A e | 220 |
| " Italian | O m 5 | 854 | Exemplaria typographica | Y g 2 | 020 |
| " literature | O m, Y k | 804 | Exhibitions, art | I s 6, I u 16 | 708 |
| " miscellaneous | O k, O m | 804, 814, | " industrial | I u 16 | 606 |
| | | 824, etc. | Ex libris | Y i 4 | 027 |
| " natural science | I k | 504 | Exodus | A e, U f 4 | 222 |
| " philology | O a | 404 | Experimental Chemistry | I k 4 | 542 |
| " philosophy | I a | 104 | Explorations | U d | 910 |
| " political | U p 6, U y 6 | 329 | Explosives | I u 10, I w | 662 |
| " science | I y, I z | 504 | Expository sermons | A m | 258 |
| " sociology | A m 3 | 304 | Express companies | I i 6 | 385 |
| " Spanish | O m | 864 | Exstatics | I e 3 | 135 |
| | | | Extracts | O m, O p 2, U n | 829 |

| | | | | | |
|----------------------------|---|------------------------|--------------------------|----------------------------|----------|
| Extracts, historical | U n | 904 | Field books, engineering | I i 5 | 629 |
| Eye, diseases | I n 5 | 616 | Field sports | I x 1 | 796-799 |
| " functions | I r | 612 | Figure of the earth | I h | 526 |
| Fables | O f | 819, 829, 839, etc. | Fiji | U d 3, U x 5 | 919 |
| Facetiae | O f | 819, 829, 839, etc. | Filibusters | U y 13 363, 345, 978 | |
| Fairs, agricultural | I u 11 △ | 630, 606 | Final causes | I a | 113 |
| " commercial | I i 3 △ | | Finances | I i 2, U p 5 +, U y 7 △ | 330 |
| " industrial | I u 16 | 606 | Fine arts | I s | 700 |
| Fairy tales | O f 7 | 813, 823, 833, etc. | biography of | U z 1 △ | 927 |
| Faith | A l | 234, 163 | Finger rings | I t 6 + | 390 |
| Faith and reason | A f 1 | 234 | Finland | U r 2 | 947 |
| Family | I g 2 | 173 | Finno-Hungarian langu'ge | O a 2 | 499 |
| " histories | U h 2 | 929 | Fire arms | I w | 355, 683 |
| " histories, American | U h 2 + | 929 | " departments | U y 8 | 369 |
| " medicine | I n 2 | 616 | " engines | I t 5 | 621 |
| " worship | A h | 247 | " insurance | I o 4 + | 368 |
| Fanaticism | A l, A o | 133 | " works | I x 1 | 662 |
| Farces | O e 2 | 828, 838, etc., 791 | " worshippers | A q 5 | 295 |
| Farming | I u 11 | 630 | Fish culture | I u 11 □ | 639 |
| Farriry | I u 13 | 682 | Fisheries, sea | I v 3 | 639 |
| Farther India | U d 11 | 915, 954 | Fishes | I l 6 | 597 |
| Far West | U y 2 | 917, 977 | " palaeontology | I l 2 | 567 |
| Fashion | U f 9 | 177 | Fishing | I x 1 | 799 |
| Fasti | U l, U m, etc. | S | Flagellants | A o 15 + | 271 |
| Fasts | A g | 244 | Flags | U f 9 | 929 |
| Fatalism | I a | 159 | Flanders | U t | 949 |
| Fathers of the Church | A k | 270 | Flax | I u 5 | 633, 677 |
| Fauna | I l 1 | 590 | Flemish painting | I s 10, U z 1 △ | 753 |
| Feasts | A g, I u 15 | 244 | Flies | I l 6 | 595 |
| Federalism | U y 6 | 324 | Flora | I l 5 | 584-589 |
| Federalist (the book) | U y 6 + | 324 | Florence | U u 5 | 945 |
| Feet | I n 1, I u 8 611, 811, 389 | | Florida | U y 8 | 976 |
| Female education | I h | 376 | Flower garden | I u 12 | 716, 583 |
| " employments | I g 2 | 376 | Flowers | I l 5 | 580 |
| " seminaries | I h 2 | 378 | Fluxions | I o 1 | 517 |
| " suffrage | I g 2 | 324 | Folk-lore | O f 7 | 291-293 |
| Fencing | I x 1 | 766 | Food | I n 7, I u 15 | 643 |
| Fermentation | I k 4, I u 10 + | 663 | Force | I k 1 | 111 |
| Ferns | I l 5 | 582 | Foreign missions | A o 15 | 267 |
| Festivals, Church | A g | 282, 283 | " relations | U y 7 iv | 327 |
| Fetichism | A q | 299 | " trade | I i 3, U y 7 △ | 382 |
| Feudal institutions | E d, U h | 322 | Forestry | I u 12 | 715 |
| Feudal law | E d | 322 | Forgery | E h | 345 |
| Fever | I n 5 | 616 | Formation of character | I h 4 | 374 |
| Fichte, philosophy of | I a 1 | 193 | Form books | E a | 349 |
| Fiction | O f, O f 1, 2, 3, 4 813, 823, 833, 843, etc. | | Formosa | U d 11 | 951 |
| | | | Fortification | I w | 623 |
| | | | Fortune-telling | I e 2 | 133 |
| | | | Fossil man | U f 2 | 571 |
| | | | Fossils | I l 2 | 560 |
| | | | Foundries | I u 3 | 671 |

| | | | | | |
|---------------------|---------------------|----------|-------------------------|-----------------|----------|
| Foundling hospitals | I i 7 | 361 | Gas-fitting | I t 5 | 696 |
| Fountains | I u 12 | 714 | “ lighting | I t 5 | 665, 644 |
| Fourierism | I a, I a 1 | 335 | “ making | I t 5 | 665 |
| Fowling | I x 1 | 799 | Gastronomy | I u 15 | 641 |
| Fowls | I u 13 | 636 | Gauging | I u 10+ | 389 |
| Fractures | I n 4 | 617 | Gazetteers | U b | 910 |
| France | U d 8, U v | 944 | Gem engraving | I s 3, I t 6 | 736 |
| Franchise | I i, Up 6, U y 6 | 324 | Gems | I l 4, I t 6 | 549 |
| Franciscans | A o 15+ | 271 | Genealogy | U h | 929 |
| Franconia | U s | 943 | Generation, Spontaneous | I t 7 | 577 |
| Franco-Prussian war | U v 7 | 943, 944 | Genesis | A c 3, A f 1 | 222 |
| Fraud | E h | 345 | Genoa | U c, U u 5 | 945 |
| Freedmen | U y 5 | 326 | Geodesy | I o 2 | 526 |
| Free-hand drawing | I s 1 | 741 | Geography | U b | 910 |
| Freemasonry | U i | 366 | “ Africa | U b, U b 4 | 916 |
| Free trade | I i 1 | 337 | “ ancient | U b, U b 1+ | 912 |
| Freewill | I o | 159 | “ Asia | U b, U b 3 | 915 |
| French biography | U z 2 | 920-9 8 | “ biblical | A d | 220, 912 |
| “ drama | O e 3 | 842 | “ Europe | U b, U b 2 | 914 |
| “ fiction | O f 3 | 843 | “ historical | U a, U b 1+ | 911 |
| “ language | O a 2 | 440 | “ modern | U b | 913 |
| “ “ old | O a 2, O d 3+ | 449 | “ N. America | U b, U b 5, 6, | |
| “ literature | O d 3, O e 3, O i 3 | 840 | 7, 8 | | 917 |
| “ painting | I s 2 | 754 | “ physical | U b 11 | 551 |
| “ philosophy | I a 1 | 194 | “ S. America | U b, U b 5 | 918 |
| “ poetry | O d 3 | 841 | Geological reports | I l 3 | 554-9 |
| “ Republic | U v 8 | 944 | Geology | I l 2 | 550 |
| “ revolution | U v 2 | 944 | “ and religion | A f 1 | 215 |
| “ sculpture | I s 4 | 735 | “ dynamical | I l 2 | 553 |
| Fresco painting | I t 6 | 751 | Geometry | I o 2 | 513 |
| Friction | I q | 531 | “ analytical | I o 2 | 516 |
| Friendly societies | I i 7 | 366 | Georgia | U d 11 □, U y 8 | |
| Friends, Society of | A o 10 | 289 | | | 959, 976 |
| Friendship | I g 1 | 157 | German drama | O e 4 | 832 |
| Fruit culture | I u 11+ | 634 | “ empire, new | U s 3 | 914, 943 |
| Fuel | I l 4+, I t 5 | 644 | “ fiction | O f 4 | 833 |
| Funds and funding | I i 2 | 336 | “ language | O a 2 | 430 |
| Funeral rites | U f 9 | 390 | “ “ low | O a 2 | 439 |
| Funeral sermons | O o 1, U z | 259 | “ literature | O i 4, Y k 4 | 830 |
| Funerals | U f 9 | 390 | “ painting | I s 2 | 753 |
| Furniture | I t 6 | 645 | “ philosophy | I a 1 | 193 |
| Future life | A l, I e | 218 | “ poetry | O d 4 | 831 |
| Gaelic language | O a 2 | 496 | “ reformation | A o 11+ | 274, 943 |
| Galleries of art | I s 6 | 708 | “ Reformed Church | A o 11+ | 289 |
| Galvanism | I k 1 | 537 | Germany | U d 7, U s | 943 |
| Gambling | I o 6, I x 2 | 175 | Ghosts | I e 3 | 133 |
| Game laws | E h | 345 | Giants | I m | 573 |
| Games | I x, I x 1 | 793-7 | Gipsies | U k | 949 |
| “ table and parlor | I x 2 | 793 | Girondists | U v 2 | 363, 944 |
| Gardening | I u 11 | 635 | Glaciers | I l 2 | 553 |
| “ Landscape | I u 12 | 710 | Glass | I u 9 | 666 |
| Gases | I k 4 | 546, 665 | “ painting | I s 2 | 751 |

| | | | | | |
|-----------------------|------------------------------|------------------------|------------------------|---------------------------|----------|
| Glazing | I u 10 | 698 | Greek, modern | O a 1, U l1 | 489 |
| Glees | O d 2 + | 784 | " mythology | A q 2 | 292 |
| Globes, use of | I p | 522 | " philosophy | I a, I a 1 | 180, 888 |
| Glossaries | O a 2 | 413, 423, 433, etc. | Greenhouses | I u 12 | 583, 635 |
| | | | Greenland | U y 12 | 998 |
| Gloves | U f 9 | 646, 675, 677 | Grounds, private | I u 12 | 712 |
| Gnostics | A o 16 | 281 | Groves | I u 12 | 715 |
| God | A b | 231 | Guatemala | U y 10, | |
| Gold | I i 2 | 549, 671 | | U d 13 △ | 979 |
| Goniometry | I o 2 | 514 | Guiana | U y 11 □ | 988 |
| Good-Friday | A g | 244 | Guide books | U c 1 | 910 |
| Gospels | A c 5 | 226 | Guilds | I i 3 △ | 367 |
| " harmony of | A d | 226 | Guillotine | U u 2 | 345 |
| Gothic architecture | I t 1 | 723 | Guinea | U d 12 vi, U x 10 | 967 |
| Goths | U o 1 | 943 | Gun cotton | I u 10 | 355, 662 |
| Gout | I n 5 | 616 | Gunnery | I w | 355 |
| Government | I i | 320 | Gunpowder | I u 10, I w | 355, 662 |
| Grace | A l | 234 | Gunsmithery | I u 3 | 683 |
| Grafting | I u 11 + | 634 | Gutta percha | I u 8 | 679 |
| Grains | I u 11 | 633 | Gymnastics | I x 1 | 613 |
| Grammars, comparative | O a | 415 | Gypsies | U k | 949 |
| " English | O a 2 | 425 | Gynaecology | I n 4 | 618 |
| " French | O a 2 | 445 | Habeas corpus | E f | 343 |
| " German | O a 2 | 435 | Hades | A l, A o 8 | 292 |
| " Greek | O a 1 | 485 | Hair | I n 1, I u 17 | 611, 390 |
| " Italian | O a 2 | 455 | Hakluyt society | U d 1 | 910 |
| " Latin | O a 1 | 475 | Hallucinations | I e 3 | 133 |
| " Spanish | O a 2 | 465 | Hamiltonian philosophy | I a 1 | 192 |
| Granada | U x 6 +, U w | 946 | Hand | I n 1 | 611 |
| Grangiers | U y 6 | 363 | Handbooks of travel | U c 1 | S, 910 |
| Grape culture | I u 11 + | 634 | Happiness | I g 1 | 171 |
| Grasses | I l 5 | 633 | Harbors | U b 10 | 627 |
| " ornamental | I u 11 | 716, 583 | Harmony, music | I s 7 | 781 |
| Gravel (disease) | I n 5 | 616 | " of celors | I s 2 | 752, 535 |
| Grave-stones | U z 4 | 718 | " of gospels | A d | 226 |
| " yards | I u 12, U y 9 | 719 | Harness-making | I u 8 | 685 |
| Gravitation | I k 1 | 531 | Harpsichord | I s 7 vi | 787 |
| Great Britain | U c 2, 3, 4, U d 9, U p 6 | 941-2 | Hasheesh | I n 2 + | 615 |
| Greece, ancient | U f 6, U 1 | 938 | Hats | I n 10 | 646 |
| " modern | U d 10, U l1 | 949 | Hayti | U y 9 iv | 917, 979 |
| " poetry | O d 1 | 881 | Health | I n 7 | 613 |
| " sculpture | I s 4 | 733 | " public | I n 7 | 614 |
| " translations | O d 1, O e 1, etc. | 880 | " resorts | I l 2 + I n 3 △, U o 1 | 613, 910 |
| " travels | U d 10 | 914 | Heart diseases | I n 5 | 616 |
| Greek antiquities | U f 6 | 938 | Heat | I k 1 | 536 |
| " architecture | I t, U f 6 | 722 | Heathen religions | A q | 290 |
| " Church | A o 1 | 281 | Heating | I t 5 | 697 |
| " commentaries | A e, O i 1 | 488 | Heaven | A l | 237 |
| " drama | O e 1 | 882 | Hebrew history | A n | 933 |
| " language | O a 1 | 480 | " language | O a 2 | 493 |
| " literature | O i 1, Y k 1 | 880 | " literature | A n | 893 |

ALPHABETICAL INDEX.

| | | | | | |
|---------------------------|-------------------|----------|-------------------------|---------------|---------------|
| Hebrew poetry | A n | 893 | History— | O a | 409 |
| Hebrides | U c 2 Δ, U p 2 | 941 | philology | I a t | 109 |
| Hedges | I u 11, 12 | 715 | philosophy | U a | 901 |
| Hegelian philosophy | I a 1 | 193 | philosophy of | I k | 509 |
| Heliotypes | I s 5 | 774 | science | I m 3 | 309 |
| Hell | A l, A o 8 | 237 | sociology | A o 16 | 209 |
| Heraclitic philosophy | I a 1 | 182 | theology | U e | 909 |
| Heraldry | U h 1 | 929 | universal | I u | 609 |
| Herbariums | I l 5 | 582 | useful arts | A e | 792 |
| Herculaneum | U f 6 + | 646 | Histrionics | U d 7, U t | 914, 949 |
| Heresies | A o 16 | 273 | Holland | U b | 914 |
| Hermaphrodites | I n 1 | 590, 612 | Holland: geography | U t | 949 |
| Hermeneutics | A e | 220 | history | U d 7 | 914 |
| Hermetics | I e | 133 | travels | A l | 878 |
| Herpetology | I i 6 | 598 | Holy Ghost | U d 10 + | 933, 956 |
| Herzegovina | U d 10, U x 1 + | 914, 943 | Holy Land | U d 10 + | 588 |
| Hieroglyphics | U f 4 | 419 | geography | U d 10 + | 959 |
| Higher education | I h | 373 | history | U d 10 + | 915 |
| Highlands, Scottish | I s 6 □, O d 2 Δ, | | travels | U s 2 | 927 |
| | U c 2 Δ, U h 2 | 914 | Holy Roman Empire | I h 4 | 371, 374 |
| Highwaymen | U z 1 | 345 | Home education | A o 15 | 266 |
| Himalayas | U d 11 | 915 | “ missions | O d 1 | 883 |
| Hindoo languages | O a 2 | 494 | Homer | E h | 345 |
| “ literature | A q 4, Y k 6 | 894 | Homicide | A e | 251 |
| Hindostan | U x 3 | 915, 954 | Homiletics | I n 3 □ | 615 |
| Hinduism | A q 4 | 294 | Homeopathy | I n 1, I o 2 | 574 |
| Hindustan | U d 11, U x 3, | | Homologies | I u 14, | 638 |
| | U f 3 | 915, 954 | Honey | I u 13 | 636 |
| Histology | I n 1 | 611 | Horned cattle | I u 6 | 681 |
| Historical books of Bible | A c | 222 | Horology | I u 13, I x 1 | 636, |
| “ charts & tables | U a | 908 | Horse | | 599, 337, 619 |
| “ collaterals | U n | S, 310 | Horse-racing | I x 1 | 798 |
| “ dictionaries | U e 1 | 903 | “ shoeing | I u 13 | 682 |
| “ extracts | U n | S | Horsemanship | I x 1 | 798 |
| “ geography | U b | 911 | Hortatory theology | A m | 243 |
| “ magazines | O o | 905 | Horticultural societies | I u 11 □ | 635, 716 |
| “ registers | O o | 902 | Horticulture | I u 12 | 635 |
| “ societies | U y 8 | 906 | Hospitals | I i 7, I n 8 | 361 |
| “ theology | A o 16 | 851-4 | Hotels | U c 1 | 390 |
| HISTORY | U | 900 | Hothouses | I u 12 | 583, 635 |
| ancient | U e | 930-939 | Housekeeping | I u 17 | 640 |
| biography of | U z 1 | 928 | House of Correction | E h | 364 |
| Continental | U o | 940 | House of Refuge | E h | 364 |
| ecclesiastical | A o | 270 | House painting | I t 6 | 698 |
| fine arts | I s 10 | 709 | Houses, royal and noble | U h 2 | 323, 322 |
| geography | U b | 910 | Housewifery | I u 17 | 640 |
| Greek | U l | 889 | Hudson's Bay territory | U y 7 viii | 919, 995 |
| Latin | U m | 879 | Huguenots | A o 11 □ | 289, 944 |
| literature | Y k | 809 | Hulsean lectures | A f | 239 |
| modern | U o | 940-999 | Human anatomy | I n 1 | 611 |
| natural sciences | I k | 509 | Human body | I n 1 | 611 |

ALPHABETICAL INDEX.

49

| | | | | | |
|-------------------------|--------------|---------------|--------------------------|---------------|------------|
| Human body and mind | I n 8 | 130 | Independents | A o 5 | 289 or 285 |
| mind | I o | 150 | Indexes | O m 6 | 17 |
| physiology | I n 1 | 612 | India, ancient history | U x 3 | 934 |
| Humane societies | I i 7 | 361 | " modern " | U x 3 + | 954 |
| Humor | O f | 818 | India, British | U x 3 + | 915, 654 |
| English | O f 2 | 828 | Indian languages | O a 2 | 494 |
| French | O f 3 | 848 | " literature | Y k 6 | 894 |
| German | O f 4 | 838 | Indiana | U y 8 | 977 |
| Greek | O f 1 | 887 | Indian Bureau | U y 1 | 353 |
| Italian | O f 5 | 858 | Indians, American | I m 2, U f 8, | |
| Spanish | O f 6 | 868 | | U y 1 | 970 |
| Hungary | U d 7, U s 1 | 914, 943 | " " language | O a 2 | 499 |
| Hunting | I x 1 | 799 | " ethnology | I m 2, U y 1 | 572 |
| Hurricanes | I k 3 | 533 | India-rubber | I u 8 | 675 |
| Husbandry | I u 13 | 630 | Indigestion | I n 5 | 616 |
| Hybridism | I l 7 | 590 | Indoor amusements | I x 2 | 793 |
| Hydraulic engineering | I i 5 | 628 | Induction | I a | 161 |
| Hydraulics | I q | 532 | Inductive logic | I f | 161 |
| Hydrodynamics | I q | 532 | Industrial drawing | I s 1 | 744 |
| Hydrography | O b 10 | 551, 627, 527 | " schools | I h 2 | 607 |
| Hydromechanics | I q | 532 | Industrial exhibitions | I u 16 | 606 |
| Hydropathy | I n 3 □ | 615 | " history | I u | 609 |
| Hydrophobia | I n 5 | 614, 616 | Inebriate institutions | I i 7 | 364 |
| Hydrostatics | I q | 532 | Infallibility | A l 1 + | 238, 282 |
| Hygiene | I n 7 | 613 | Infanticide | E i | 173, 345 |
| " mental | I n 8 | 131 | Infantry | I w | 356 |
| Hymnology | A i | 245 | Infidel books | A f | 211 |
| Hypochondria | I n 5, I n 8 | 132, 616 | Infidelity | A f | 211 |
| Icebergs | U d 3 + | 553 | Ink | Y g | 661 |
| Iceland | U r 1 | 948 | Inoculation | I n 5 | 614, 615 |
| Icelandic language | O a 2 | 498 | Inorganic chemistry | I k 4 | 546 |
| Icelandic literature | Y k 4 | 808 | Inquisition | A o 12 | 272 |
| " poetry | O d 6 | 898 | Insane Hospitals | I n 8 | 361 |
| Ichthyology | I l 7 | 597 | Insanity | I n 8 | 132 |
| Iconography | I s 4 | 732 | Inscriptions | U f | 417 |
| " Christian | I s 8 | 730 | Insects | I l 6 | 595 |
| Idealistic psychology | I c | 141 | " injurious | I u 11 iv | 632 |
| Idiocy | I n 8 | 132 | Inspiration | A l 3 | 238 |
| Idiot schools | I n 8 | 361 | Instinct | I l 6 | 158 |
| Idolatry | A q | 290 | Institute of France | I y 3 | 64 |
| Illinois | U y 8 | 977 | Institutions | I i | 360 |
| Illuminated manuscripts | Y i 1 | 21 | " educational | I h 2 | 378 |
| Illumination (lighting) | I t 5 | 644 | " Feudal | E d, U o 1 | 322 |
| Illustrated journals | I s 6 + | 705 | " Monarchic | I i | 323 |
| Imagination | I o | 156 | " Musical | I s 7 | 789 |
| Immersion | A o 6 | 264, 286 | " of religion | A | 260 |
| Immigration | I i 3 | 325 | " Patriarchal | A n | 321 |
| Immortality | A l, I e | 218, 237 | " Republican | I i | 324 |
| Imprisonment for debt | E h | 345 | Instruction | I h | 371 |
| Incarnation | A l | 232 | Instrumental music | I s 7 | 785 |
| Income | I i 2 | 333 | Instruments, engineering | I o 3 | 629 |
| Incunabula | Y i 3 | 23 | " making | I o 6, I u 3 | 681 |

ALPHABETICAL INDEX.

| | | | | | |
|---------------------------|-----------------|----------|---------------------------|----------------|-----------|
| Insurance | I o 4 + | 368 | Italian drama | O e 5 | 852 |
| Insurance companies | I o 4 + | 368 | " fiction | O f 5 | 853 |
| Integral calculus | I o 1 | 517 | " language | O a 2 | 450 |
| Intellect | I e | 151 | " literature | O i 5, Y k 5 | 850 |
| Intellectual philosophy | I e | 140-150 | " music | I s 7 Δ | 780 |
| Intemperance | I g 5, I n 2 + | 178 | " painting | I s 10 | 755 |
| Intercommunication | I i 5 | 380, 650 | " philosophy | I a 1 | 195 |
| Interest | I i 2 | 334 | " poetry | O d 5 | 851 |
| " tables | I i 2 | 658 | " renaissance | U o 1, U u | 945 |
| Interior Department | U y 7 vi | 353 | " republics | U u 5 | 945 |
| Intermarriage | I g 2 | 136, 618 | " sculpture | I s 4 | 734, 735 |
| Intermediate state | A l | 237 | Italy | U b | 8 |
| Interment | U f 9 | 614, 390 | history | U u | 945 |
| Internal improvements | I i 5 | 620 | travels | U d 8 | 914 |
| International copyright | E m | 343 | Jacobins | | U v 2 |
| International exhibitions | I u 16 | 600 | Jainism | A q 4 | 294 |
| " law | E b | 341 | Jamaica | U y 9 □ | 979 |
| Intolerance | A a | 272 | Jansenism | A o 2 + | 282 |
| Intuitive psychology | I c | 143 | Japan | U x 2 | 952 |
| Inventions | I u | 608 | Japanese art | I s | 8 |
| Inventors, lives of | I u, U z | 926 | language | O a 2 | 499 |
| Invertebrates | I l 6 | 592 | literature | O a 2, Y k 6 | 899 |
| " palaeontology | I l 2 | 562 | Japanning | I u 9 | 693 |
| Investments | I i 2 | 333 | Java | U x 3 Δ | 992 |
| Ionian Islands | U l 1 | 949 | Jerusalem | U d 10 Δ | 915, 955, |
| Ionic philosophy | I a 1 | 182 | Jests | | 933 |
| Iowa | U y 8 | 977 | Of | | 819, 829, |
| Iranian languages | O a | 495 | 839, etc. | | |
| " literature | Y k 6 | 895 | Jesuit missions | A o 15 Δ, | |
| Ireland | U c 2 +, U d 9, | | | U y 9 + | 266, 282 |
| | U p 4 | 941 | Jesuits | A o 15 Δ | 271, 282 |
| Ireland, geography | U b, U c 2 + | 914 | Jesus | A d, A l | 232 |
| history | U p 4 | 941 | Jewelry | I t 6, I u 10, | |
| travels | U d 9 | 914 | U f 9 | | 646, 671 |
| Irish bards | U p 4 + | 928, 821 | Jewish antiquities | A n | 933 |
| " church | A o 2, 3 | 283 | literature | A n | 803 |
| " language | O a 2 | 496 | philosophy | A n | 180, 181 |
| " literature | Y k 6 | 896, 820 | religion | A v 3, A n | 281 |
| " music | I s 7 | 780 | Jews, ancient | A d | 933 |
| " poetry | O d, U p 4 + | 896 | history | A n | 933 |
| Iron | I l 4 + | 672 | medieval | A n, U o 1 | 956 |
| " architecture | I t, I u 3 | 691 | modern | A n | 956 |
| " bridges | I i 5, I u 3 | 624 | Joinery | I t 4 | 694 |
| " manufacture | I u 3 | 672 | Journalism | O p 1 | 50 |
| " metallurgy | I u 3 | 672 | Judaism | A n | 296 |
| " mineral | I l 4 + | 549, 669 | Judgment and future state | A l | 237 |
| " ships | I v | 699 | Junius letters | U p 6 + | 329 |
| Iron-clad ships | I v | 359, 699 | JURISPRUDENCE | E | 340 |
| Irrigation | I u 11 | 631 | Jury trial | E e | 342 |
| Islam | A p | 297 | Justification | A l | 234 |
| Isle of Man | U c 3 | 914, 942 | Joan of Arc | U v 1 + | 944 |
| Israelites | A n | 933 | John, epistles of | A c 5, A e | 221 |

| | | | | | |
|--------------------------|--------------------|----------------------------|-----------------------|--------------------|------------------------|
| John, gospel of | A c 5, A e | 226 | Latin, medieval | O a t | 479 |
| " revelation of | A c 5, A e | 228 | " poets | O d 1 | 871 |
| Journeys round the world | U d 3 | 910 | Laundry | I u 17 | 648 |
| Judges, lives of | U z 1 □ | 923 | Law | E | 340 |
| Jugglery | I x 2 | 133 | ancient | E d | 340 |
| Jurisprudence, medical | E i | 343 | canon | E d | 348 |
| Juvenile books | O f 2 | 8 | civil | E d | 348 |
| criminals | E h | 345, 364, 296, 391, 893 | commercial | E e 2 | 343 |
| Kabbala | A n | 705 | common | E e | 343 |
| Kafirs | U d 12 △, U x 11 | 968 | constitutional | E f | 342 |
| Kaleidoscope | I r 1 | 536 | criminal | E h 2 | 345 |
| Kamschatka | U d 11 +, | | ictionaries | E a 1 | 340 |
| | U q 2 | 915, 959 | English | E f 3 | 340 |
| Kansas | U y 8 | 977 | French | E f 4 | 340 |
| Kant's philosophy | I a | 193, 142 | history of | E a | 340 |
| Keltic, ancient history | U o 4 | 936 | maritime | E b | 346 |
| " language | O a 2 | 496 | mercantile | E e 2 | 343 |
| " literature | Y k 6 | 896 | military | E n | 347 |
| Kentucky | U y 8 | 976 | of nations | E b | 341 |
| Kindergarten | I h | 372 | of real property | E e 1 | 343 |
| Kinematics | I q | 531 | of U. S. | E f 1 | 340 |
| Knighthood | U h 3 | 322 | Roman | E d | 348 |
| Kings | U z 5 note | 923 | Lawns | I u 12 | 712 |
| Kitchen economy | I u 15 | 640 | Lawyers' lives | U z, U z 1 □ | 923 |
| gardening | I u 11 | 635 | Lazarettos | I i 7 | 361 |
| middens | U f 1 | 322 | Lead | I u 4 | 549, 671 |
| Knighthood | U k 3 | | metallurgy of | I u 4 | 669, 671 |
| Koran | A p 2 | 297 | mining | I l 4 | 628 |
| Labor | I i 1 | 331 | Leather | I n 8 | 675 |
| Labor questions | I i 1 | 331 | Lectures | O c, etc. | 815, 825, 835, etc. |
| Laboring classes | I i 1 | 331 | Legends | O f | 291-293 |
| Labrador | U y 12 | 972 | Legerdemain | I x 2 | 133 |
| Lace-making | I u 5 | 677 | Legislation | E f | 343, 328 |
| Laconics | O m | | Legislative annals | U y 7, etc. | 328 |
| Lake dwellings | U f 1 | 571 | Legitimacy | E e 3 | 343 |
| " surveys | U b 10 | 622, 656 | Lent | A g | 244 |
| Lakes, artificial | I u 12 | 714 | Lepidoptera | I l 6 | 595 |
| Lamaism | A q 7 | 294 | Letter writing | O h 1 | 816 |
| Land surveying | I o 2 | 622 | Lettering, ornamental | Y g 4 | 145 |
| Landlord and tenant | E e 1 | 333 | Letters | O h | 816 |
| Landscape gardening | I u 12 | 710 | alphabetical | O a 411, 421, etc. | |
| " painting | I s 2 | 758 | (correspondence) | O h | 816 |
| " photographs | I s 5 | 778 | Levant | U d 10 | 956, 962 |
| Language, universal | O a | 408 | Levelling | I i 5 | 622 |
| Lapland | U r 2 | 947, 948 | Leviticus | A c 3 | 222 |
| Late war (1812) | U y 4 | 973 | Lexicography | O a | 403, 413 |
| Latin Church | A o 2 | 282 | Lexicons | O a 1, 2 | 413, 423, 433, etc. |
| " classics | O i 1 + | 870 | | E e | 345 |
| " language | O a 1 | 470 | Libel | I i 4 + | 916, 969 |
| " literary history | Y k 1 | 470 | Liberia | I i | 324 |
| " literature | O d 1, O i 1, etc. | 870 | Liberty | | |

| | | | | |
|--|--------------------------|-------------------|-----------------------|---------------|
| Liberty of press | E e | 324 | Logic | I f |
| Libraries | Y, d, e, f | 19 | Lollards | A o 15+ |
| " sales of. | Y c | 17, 18, 19 | London | U c 3+ 91 |
| Library catalogues | Y d, e | 17, 18 | Longevity | I n 7 |
| " economy | Y f | 19 | Lord's day | A n 1 |
| " history and reports | Y f | 19 | " Prayer | A h |
| Librettos, opera | O e 7 | 782 | " Supper | A g |
| Lichens | I l 5 | 582 | Lorraine | U s, U v 94 |
| Life | I l 7 | 570 | Lotteries | I g 6 |
| " boats | U d 5 | 699 | Louis Philippe | U v 4 |
| " future | A l, I e | 218, 237 | Louisiana | U y 8 |
| " insurance | I o 4+ | 368 | Low countries | U t |
| " (physiologically) | I l 7 | 570 | " Dutch | O a 2 |
| Light | I r | 535 | Loyalists | U y 3+ |
| Lighthouses and ships | U b 10 | 656, 627 | Luke | A c 5 |
| Lightning and light ^g -rods | I k 3, I t 5 | 537 | Lunacy | I n 8 |
| Lights and fuel | I t 5 | 644 | Lunatic asylums | I n 8 |
| Line engraving | I s 3 | 765 | Lung diseases | I n 5 |
| Linen manufacture | I u 5 | 677 | Lutherans | A o 11+ |
| Linguistics | O a | 400 | Lyric poetry | O d 811 |
| Liquors | I g 5, I u 10+ | 663 | | 83 |
| Litany | A g 1, 2 | 244 | " " Greek | O d 1 |
| Literary criticism | O b | 824, 834, | " " Latin | O d 1 |
| | | 844, etc. | Mabinogeon | O f 7 |
| periodicals | O n | 805 | Macaronics | O d 7 819, 82 |
| miscellanies | O l | 819 | Machine engraving | I s 3 |
| English | O l 2 | 829 | Machinery | I q |
| French | O l 3 | 849 | Machines | I q |
| German | O l 4 | 839 | Madagascar | U y 3□ |
| Italian | O l 5 | 859 | Madeira | U d 8+ |
| Spanish | O l 6 | 869 | Madness | I n 8 |
| property | E m | 343 | Magazines | O n 50, 10 |
| Literature | O | 800 | | |
| ancient | Y k 1 | 870, 899 | Magic | I e, I x 2 |
| biography of | U z, Y k | 928 | Magnetic observations | I k 3 |
| classical | O d 1, O e 1, etc. Y k 1 | 870, 880, 488-498 | Magnetism | I k 1 |
| | | | " animal | I e 4 |
| history of | Y k | 809 | Magyar language | O a 2 |
| medieval | Y k 6 | S | literature | Y k 6 |
| modern | Y k | S | poetry | O d 6 |
| oriental | Y k 6 | 890 | Magyars | U s 1 |
| Lithography | I s 3 | 763 | Mahometanism | A p |
| Lithology | I l 4 | 552 | Mails | I c 3+ |
| Liturgies | A g | 444 | Maine | U y 8 |
| Local histories, American | U y 8, U y 9+ | 976, 980 | Malacca | U d 11, U x 3 |
| | | | | 9 |
| " " British | U c 3 | 941, 942 | Malaria | I n 6 |
| Locke | I c | 192, 145 | Malayan language | O a 2 |
| Locks and keys | I u 10 | 683 | Malaysia | U x 3 |
| Locomotives | I i 6 | 621 | Malt | I u 10+ |
| Logarithms | I o 3 | 514 | Malta | U h 3+ |
| " tables | I o 3 | 514 | Manelukes | U x 1 |

| | | | | |
|--------------------------|--------------------|----------|--------------------------|----------------------------|
| Mammalia | I 16 | 599 | Mauritius | U x 3 □ |
| " paleontology | I 12 | 569 | Mausoleums | I 84, U f 9 718 |
| Man | I m | 233 | Maxims | O g 819, 829, 839, etc. |
| " antiquity of | U f 1 | 571 | Measles | I n 5 616 |
| " ethnography | I m 2 | 390 | Measures and weights | I i 3 389 |
| " mental nature of | I o | 130, 150 | Mechanic arts and trades | I u 680 |
| " natural history of | I m | 573 | dictionaries | I u 603 |
| " physiology of | I n 1 | 612 | exhibitions | I u 16 606 |
| Mania | I n 8 | 132 | periodicals and transac- | |
| Maniacs | I n 8 | 132 | tions | I u 605 |
| Manitoba | U y 9 viii | 917, 971 | Mechanical drawing | I s 1 744 |
| Manners and customs | U f 9 | 390 | " engineering | I q 621 |
| Manuals, collectors' | I l, I s, U g, etc | 579 | " trades | I u 680 |
| " travellers' | U d | 910 | Mechanics | I q 531 |
| Manufactures | I u | 670 | Mechanics' associations | I i 1 606 |
| history of | I u | 670 | Medals | U g 737 |
| Manures | I u 11 | 631 | Medical biography | I n 9, U z 926 |
| Manuscripts | U z 5, Y i 2 | 13-21 | botany | I n 2 615 |
| Maps | U b i, U b 2, etc. | 910 | dictionaries | I n 610 |
| " astronomical | I p | 524 | directories | I n 9 610 |
| Marble manufacture | I s 4 | 673 | education | I n 9 610 |
| Marbles | I l 4 | 731 | ethics | I n 3 + 174, 616 |
| Marine architecture | I v | 699 | history | I n 9 610 |
| " insurance | I o 4 + | 368 | jurisprudence | E i 343 |
| " law | E b | 346 | periodicals and transac- | |
| Maritime law | E b | 346 | tions | I n 610 |
| Mark | A c 5 | 226 | practice | I n 3 616 |
| Market gardening | I u 11 | 635, 643 | schools | I n 9 610 |
| Markets | I u 15 | 643 | Medicine | I n 610 |
| Marriage, customs | U f 9 | 390 | " history of | I n 9 610 |
| " ethics | I g 2 | 173 | " veterinary | I u 13 619 |
| " law | E e 3 | 343 | Medieval architecture | I t 723 |
| Martial law | E n | 347 | art | I s 10 709 |
| Martyrs | A o 13 | 272 | customs, costumes | U f 9 392 |
| Mary Queen of Scots | U p 2 △ | 933 | design | I s 1 747 |
| Maryland | U y 8 | 976 | history | U o 1 900 |
| Mason & Dixon's line | U y 8 | 326 | Latin | O a 1 479 |
| Masonry | I t 3 | 693 | philosophy | I a 1 108, 109 |
| " Free | I i | 366 | sculpture | I s 4 734 |
| Massachusetts | U y 8 | 974 | Meditations, theology | A h 242 |
| Materia medica | I n 2 | 615 | Mediterranean | U b 10, U d 6 S |
| Materialism | I o | 146 | Melancholy | I n 8 132 |
| Materials, building | I t | 691 | Melanésie | U x 5 |
| Maternity | I g 2, I n 4 | 136, 618 | Melodeon | I s 7 vi 786 |
| Mathematical drawing | I s 1 | 744 | Melody | I s 7 781 |
| " instruments | I o 3 | 629 | Memoirs | U z 920 |
| " tables | I o 3 | 514 | " scientific | I y 506 |
| Mathematics | I o | 510 | Memory | I u 1 154 |
| history of | I o | 510 | Mensuration | I o 2 612 |
| periodicals and transac- | | | Mental derangement | I n 8 132 |
| tions | I o | 510 | " faculties | I o 158 |
| Matthew | A c 5 | 226 | | |

| | | | | | |
|------------------------------|----------------|----------|--------------------------|-----------------|------------------------|
| Mental hygiene | I n 8 | 131 | Mineralogy | I 14 | 549 |
| " philosophy | I c | 140-150 | Mines, mining | I 14 | 628 |
| " physiology | I n 8 | 131 | Miniatures | I s 2 | 757 |
| " science | I o | 150 | Mining companies | I 14△ | 628 |
| Mercantile law | E e 2 | 343 | Ministers | A 1 | 250 |
| manuals | I i 3 | 656 | " lives | A o 14, U z | 922 |
| theory and practice | I i 3 | 382, 658 | " office and duty of A 1 | A 1 | 250 |
| Merchant service | I i 3 +, I v 1 | 387 | Minnesingers | O d 4 | 831 |
| Merchants, lives of | I i 3 +, U z | 923 | Minnesota | U y 8 | 977 |
| Mesmerism | I e 4 | 134 | Minstrelsy | O d 2 +, etc. | 811, 821, 831, etc. |
| Mesopotamia | U d 10, U x 1 | 959 | Mints | I i 2 | 332 |
| Messiah | A l, A n | 232 | Miracles | A f 2 | 231 |
| Metal manufactures | I u 4 | 671 | Miscellanies, historical | U n | 902, 904 |
| Metallurgy | I l 4, I u 4 | 669 | Miscellany, literary | O m | 819 |
| Metaphysics | I c | 110 | " English | O m 2 | 829 |
| Meteorology | I k 3 | 551 | " French | O m 3 | 849 |
| Methodism | A o 7 | 287 | " German | O m 4 | 839 |
| Methodology | I c | 112 | " Italian | O m 5 | 859 |
| Methods of education | I h | 371 | " Spanish | O m 6 | 869 |
| Metric system | I i 3 | 389 | Missals | A g 1, Y i 2 | 244, 282 |
| Metrology | I i 3 | 389 | Missions | A o 15 | 266 |
| Mexican war | U y 10 + | 973, 978 | " foreign | A o 15 | 267 |
| Mexico | U y 10 | 978 | Missionaries | A o 14 | 266, 267, 922 |
| geography | U b | 917 | Mississippi River | U b 10 | 917 |
| history | U y 10 | 978 | " State of | U y 8 | 976 |
| travels | U d 13 | 917 | " Valley | U y 2 + | 917, 977 |
| Mezzotint | I s 3 | 776 | Missouri | U y 8 | 917, 977 |
| Michigan | U y 8 | 917, 977 | " River | U b 10, U y 2 + | 917 |
| Microscopy | I r 1 | 578 | Mnemonics | I u 1 | 154 |
| Middle ages, history | U o 1 | 8 | Moab | U d 10 + | 933 |
| " States | U y 2 | 975 | Modeling | I s 4 | 731 |
| Midwifery | I n 4 | 618 | Modern architecture | I t | 724 |
| Military and naval arts | I v, I w | 355-359 | " costumes, customs | U f 9 | 393-399 |
| academies | I h 2, I n, | | " geography | U b | 913-919 |
| engineering | U y 7 + | 355, 378 | " Greek | O a 1 | 489 |
| history | I w | 623 | " history | U o | 940-999 |
| law | I w 1 | 355 | " philosophy | I a | 190 |
| schools | I h 2 | 355, 378 | " sculpture | I s 4 | 735 |
| science | I w | 355 | " thought | I m 3 | 215 |
| surgery | I n 4 | 617 | Mohammedanism | A p | 297 |
| Militia | I w | 355 | Molecular physics | I k | 539 |
| " laws | E n | | Mollusca | I l 6 | 594 |
| Milk | I u 13 | 637 | palaeontology | I l 2 | 564 |
| Millennium | A l | 236 | Monaco | U u 5 | 914, 945 |
| Millinery | I u 17 | 646 | Monarchic institutions | I i | 323 |
| Mills, cotton, woollen, etc. | I u 5 | 677, 678 | Monasteries | A o 15 + | 271 |
| paper | Y g 1 | 676 | Monastic orders | A o 15 + | 271 |
| Mill-work, Mill-wrights | I u 10 | 621 | Money | I i 2 | 332 |
| Mind | I c | 150 | Mongolian language | O a 2 | 499 |
| " and body | I n 8 | 130 | Monitors, iron-clads | I v | 359, 699 |
| Mineral waters | I l 2 + | 615 | Monks | A o 15 + | 271 |

| | | | | | |
|----------------------------------|----------------|-----------|-------------------------------|--------------------|------------|
| Monograms | I s 6, Y g 4 | 745-748 | Musical instruments | I s 7 vi | 786, 788 |
| Monopolies | I i 1 | 331 | Musicians | U z 1 △ | 927 |
| Montana | U y 8 | 977 | Mutual aid societies | I i 1 | 361 |
| Montenegro | U d 6 | 914 | Mysteries | A q 2 +, I e | 133 |
| Monuments | I s 4, U f | 718 | Mysticism | A o 2 + | 289 |
| Moon | U p | 523 | Mythology, comparative | A q 1 | 291 |
| Moral philosophy, history | I g | 170 | “ German | A q 3 | 293 |
| systems | I g | 170 | “ Greek & Roman | A q 2 | 292 |
| Morals of amusements | I g 4 | 175 | “ Norse | A q 3 | 293 |
| business | I g 4 | 174 | “ of Egypt | U f 4 | 291 |
| marriage | I g 2 | 173, 176 | “ Oriental | A q 4, 5, 6 | 294, 297 |
| politics | I g | 172 | Myths | A q, O f 7 | 291 |
| society | I g 3 | 177 | Names | U h 2 | 929 |
| young men | I g 3 | 170 | Naples | U u 4 | 914, 945 |
| young women | I g 2 | 170 | Napoleon I | U v 3 | 923, 944 |
| Moravian missions | A o 15 | 266 | “ III | U v 6 | 923, 944 |
| Moravians | A o 11 | 289 | Narcotics | I n 2 + | 615 |
| Morea | U l 1 | 949 | National costumes | U f 9 | 390 |
| Mormonism | A o 9 | 298 | “ customs | U f 9 | 390 |
| Morocco | U x 6 | 964 | Natural history | I l | 550-590 |
| Morphology | I l 5 | 581 | “ Biblical | Ad | 220 |
| Mortality statistics | U c | 312 | “ of different | | |
| Mortar | I t 3 | 693 | countries | I l 1 | 550-599 |
| Mortgages | E e 1 | 343 | Natural philosophy | I k | 530 |
| Mosaics | I s 2 | 751 | “ science | I l | 500 |
| Moslems | A p | 297 | “ selection | I l 7 | 575 |
| Mosquito shore | U y 10 | 979 | “ system of botany | I l 5 | 582 |
| Mosses | I l 5 | 582 | “ -theology | A b | 210 |
| Mothers | I g 2, I n 4 | 173 | Naturalization | E o | 343, 325 |
| Moths | I l 6 | 595, 646 | Nature | I l | 500 |
| Mottoes | O g, U h 1 | 819, 829, | Naval architecture | I v | 699 |
| | | etc. | “ history | I v 1, U p 8, | |
| Mouldings | I t | 721 | | U y 14 | 359 |
| Mound-builders | U f 8 | 571 | Naval men, lives of | U p 8, U y 14, U z | 926 |
| Mountains | U b 11 | 551 | Naval schools | I h 2 | 359, 378 |
| Mulberry | I u 11 + | 634 | Naval science | I v | 359 |
| Municipal government | I i | 342 | Naval war | I v | 359 |
| “ law | E f | 343 | Navies | I v, U p 8, U y 14 | 359 |
| Murder | E h | 345 | Navigation | I p, I v, U b 10 | |
| Music | I s 7 | 780 | | | 527, 656 |
| criticism | I s 7 | 780 | “ laws | I i 1 | 346 |
| ictionaries | I s 7 | 780 | Navy, British | U p 8 | 359, 941-2 |
| history | I s 7 | 780 | “ U. S. | U y 7 v | 359, 973 |
| periodicals | I s 7 | 780 | Nebraska | U y 8 | 977 |
| sacred | A i, I s 7 □ | 783 | Necromancers | I e, U z 1 | 133 |
| secular | I s 7 i v | S | Needle-work | I s 8, I u 17 | 646, 793 |
| single compositions | I s 7 v | S | Negroes | A m 2 + | 573, 326 |
| songs with | I s 7 △ | 784 | Negro slavery | I i 4, U y 6 | 326 |
| vocal | I s 7 + | 784 | Neo-platonism | I a 1 | 186 |
| Musical collections | I s 7 i v | 780, S | Nepotism | I i | 323 |
| “ composition | I s 7 | 781 | Nervous system | I n 1 | 611 |
| “ drama | I s 7 △, O e 7 | 782 | Nestorians | A o 1 | 281 |

| | | | | | |
|-------------------------|--------------------------|---------------|----------------------------|------------------------|---------------|
| Netherlands | U t | 949 | Northwest Passage | U d 3 | 998 |
| Neuroptera | I 16 | 595 | Norway | U f 7, U q 3, U r | 948 |
| Neutrals | E b | 341 | Nosology | I n 3 | 616 |
| Nevada | U y 8 | 977 | Nouvelle Franco | U y 9 + | 972 |
| New Brunswick | U y 9 Δ | 972 | Nova Scotia | U y 9 Δ | 972 |
| “ England | A o 5, U y 8 | 974 | Novels | O f | 813 |
| “ Granada | U y 11 | 986 | English | O f 2 | 823 |
| “ Guinea | U d 4 | 995 | French | O f 3 | 843 |
| “ Hampshire | U y 8 | 974 | German | O f 4 | 833 |
| “ Jersey | U y 8 | 975 | Italian | O f 5 | 853 |
| “ Mexico | U y 8 | 978 | Spanish | O f 6 | 863 |
| “ Orleans | U y 8 | 917, 976 | Nubia | U d 12 +, U x 11 | 962 |
| “ Platonism | I a 1 | 186 | Numbers, book of | A e 3 | 222 |
| “ Testament | A e 5 | 225 | Numismatics | U g | 377 |
| “ York | U y 8 | 975 | Nunneries | A o 15 + | 362 |
| “ York city | U y 8 | 917, 975 | Nursery | I u 17 | 649 |
| “ Zealand | U d 4, U x 5 | 996 | Nursing | I n 3 | 616, 649 |
| Newfoundland | U y 9 Δ | 971 | Oaths | E a | 349 |
| Newspaper cuttings | O p 2 | S | Object teaching | I h | 371 |
| Newspapers | O p | 50 | Observations, astronomical | I p | 525 |
| Nicaragua | U d 13 Δ , U y 10 | 979 | Obstetrics | I n 4 | 618 |
| Nile | U d 12 +, U x 4 | 916 | Ocean currents | U b 10 | 551 |
| Nineveh | U f 2 | 915, 935 | “ exploration | U d 3 | 910 |
| Nobility | U h | 322 | “ geography | U b 10 | 910 |
| Nobles, lives of | U h 2 | 923 | “ transportation | I v, I v 1 | 387, 656 |
| Non-Christian religions | A q | 290 | “ world | U b 10 | 551, 597, 913 |
| Non-jurors | U p 1 Δ | 283, 274, | Oceanica | U x 5 | 990 |
| | | 942 | botany | I l 1, I l 5 | 589 |
| Normal schools | I h | 371 | customs and costumes | U f 9 | 399 |
| Norman conquest | U p 1 | 942-946 | ecclesiastical history | A o 15 | 279 |
| Normandy | U d 8, U v | 944 | geography | U b 9 | 919 |
| Normans | U r | 942, 944 | geology | I l 3 | 559 |
| Norse | O a 2 | 498 | history | U x 5 | 990 |
| Norse language | O a 2 | 498 | statistics | U x 5 | 319 |
| literature | Y k | 898 | travels | U d 3 | 919 |
| poetry | O d 6 | 898 | Odd Fellows | U i | 366 |
| Norsemen | U r | 948 | Odontology | I n 4 + | 611, 617 |
| North Africa | U d 12 v, U x 9 | 961 | Ohio | U y 8 | 977 |
| America | U y | 970 | Oil, animal | I t 5 | 644 |
| American botany | I l 5 | 587 | coal | I l 2 Δ | 644, 665 |
| customs & costumes | U f 9, U y 1 | 397 | vegetable | I u 11 | 633 |
| ecclesiastical hist'y | A o | 277 | Oil manufacture | I t 5 | 665 |
| geography | U b 5, 6, 7, 8 | 917 | Oil painting | I s 2 | 751 |
| geology | I l 3 | 557 | Old Catholics | A o 2 + | 282 |
| history | U y | 970 | Old French | O a 2 | 449 |
| statistics | U c 6 | 317 | Old Testament | A c 3 | 221 |
| travels | U d 13 | 917 | Ontology | I c | 111 |
| North Carolina | U y 8 | 976 | Opera Houses | I t 7 | 725, 792, 982 |
| Northmen | U r | 948 | Operas | I s 7 Δ , O e 7 | 782 |
| North of Europe | A q 3, U d 7, U f 7 | 914, 948, 947 | Opium | I n 2 + | 615 |
| | | | Optics | I r | 536 |
| Northwest America | U d 3, U y 8 | 917, 977 | Oracles | A q 2 + | 133 |
| | | 971, 977 | | | |

| | | | | | |
|--------------------------|---------------|------------------------|------------------------|-------------------|--------------|
| Orations | O c | 815, 825, etc. | Paganism | A q | 290 |
| Oratories | O e 7△ | 783 | Pageants | U f 9 | 390 |
| Oratory | O b, O c | 815 | Painters' lives | U z 1△ | 927 |
| sacred | A m | 251 | Painting | I s 2, I t 6, | |
| Orcades | U c 2△ | 941 | | I u 7 | 750, 698 |
| Orchards | I u 11+ | 634 | Painting, color | I s 2 | 752 |
| Orders of architecture | I t | 722-724 | American | I s 10 | 756 |
| Ordinances, religious | A g | 244, 264, 265 | criticisms | I s 2 | 750 |
| Ordination sermons | A m | 257 | Dutch | I s 10 | 753 |
| Ordnance | I w | 355, 683 | English | I s 10 | 756 |
| Oregon | U y 8 | 977 | Flemish | I s 10 | 753 |
| Ores | I 1 4 | 549, 669 | French | I s 10 | 754 |
| Organ | I s 7 vi | 786 | German | I s 10 | 756 |
| Organic chemistry | I k 4 | 547 | Italian | I s 10 | 755 |
| " remains | I l 2 | 562 | landscape | I s 2 | 758 |
| Oriental architecture | I t | 722 | materials | I s 2 | 751 |
| " churches | A o 1 | 281 | methods | I s 2 | 751 |
| " languages | O a 2 | 490 | Painting (trade) | I u 10 | 698 |
| " philosophy | I a 1 | 181 | Paintings, collections | I s 6 | 759 |
| " poetry | O d 6 | 890 | Palæographia | Y i 2 | 21 |
| Origin of language | O a | 401, 409 | Palæography | Y i 2 | 417, 419, 21 |
| " religious belief | A q 1 | 201 | Palæontology | I l 2 | 560 |
| " species | I l 7 | 575 | Palestine | U d 10+ | 933, 956 |
| Orkneys | U c 2△ | 941 | Palmistry | I e 2 | 133 |
| Ornamental botany | I u 12 | 583 | Palmyra | U f 6 | 939 |
| " design | I t 6 | 745 | Pamphlets | O k, U p 6, U y 6 | 8 |
| " gardening | I u 12 | 710 | Panama | U d 13△, | |
| " work | I t 6 | 745 | | U y 10 | 979 |
| Ornithology | I l 6+ | 598 | Pantheism | A b | 212 |
| Orphan asylums | I i 7 | 361 | Pantheistic psychology | I c | 147 |
| Orphans | E e | 361 | Papacy | A o 2 | 282 |
| Orthoepy | O a 2 | 411, 421, 431, etc. | Papal Rome | U u 2 | 282, 945 |
| Orthography, comparative | O a | 411 | Paper-hanging | I t 6 | 698 |
| English | O a 2 | 421 | Paper manufacture | Y g | 676 |
| French | O a 2 | 441 | Paper money | I i 2 | 332 |
| German | O a 2 | 431 | Papua | U d 4 | 995 |
| Greek | O a 1 | 481 | Paraguay | U y 11△ | 989 |
| Italian | O a 2 | 451 | Parchment | Y g | 26 |
| Latin | O a 1 | 471 | Parent and child | E l | 173 |
| Spanish | O a 2 | 461 | Paris | U d 8△ | 914, 944 |
| Osteology | I n 1 | 591, 611 | Parish law | E e, E f 3 | 343 |
| Ottoman empire | U x 1 | 956 | Parks, public | I u 12 | 711 |
| " " geography | U b | 915 | Parliament | E f 3+ | 323 |
| " " history | U x 1 | 956 | Parliamentary law | E g | 349 |
| " " travels | U d 10 | 915 | " blue books | U p 5 | 328 |
| Out-door sports | I x 1 | 796-799 | " debates | U p 5 | 328 |
| Overland route | U d 2 | 917 | Parlor pastimes | I x 2 | 793 |
| Oxford University | I h 2 | 378 | Parodies | O d 2, etc. | 818, |
| Oysters | I l 6, I u 15 | 594, 643 | Parrots | | 828, etc. |
| Pacific Ocean | U b 10 | 913 | Parseeism, Parsees | I l 6+ | 598 |
| Pacific slope | U y 2△ | 917, 977 | Parthia | A q 5 | 295 |
| | 8 | | | U e | 935 |

| | | | | | |
|--------------------------|---------------------|----------|----------------------------|---------------|----------------|
| Partnership | E e 2 | 343 | Persian language | O a 2 | 495 |
| Parturition | I n 4 | 618 | “ literature | Y k 6 | 895 |
| Passion plays | O e | 812 | “ poetry | O d 6 | 895 |
| Passions | I g 1 | 157 | Personal liberty | E e | 342 |
| Pastel drawing | I s 2 | 741 | “ narratives | U z | 920 |
| Pastoral letters | A m | 250 | “ property | E e | 342 |
| “ theology | A l | 250 | “ rights | E e | 342 |
| Patagonia | U y 11 iv | 989 | Perspective | I s 1 | 742 |
| Patent law | E m | 343 | Peru | U y 12 + | 985 |
| Patents | I u | 608 | Pests, agricultural | I u 11 iv | 632 |
| Pathology | I n 3 | 616 | Petrification | I k 3 | 560 |
| Patriarchal institutions | A n | 321 | Petroleum | I l 2 △ | 665, 549 |
| Patriotism | I g 1 | 172 | Pharmacopœias | I n 2 | 615 |
| Patristics | A k | 189 | Pharmacy | I n 2 | 615 |
| Patronage | I i | 177 | Phi Beta Kappa | I h 2 | 366 |
| Pauperism | I i 1 | 339 | Philadelphia | U y 8 (Pa.) | 975 |
| Pawnbroking | I i 2 | 334 | Philately | Y g 5 | 737 |
| Peace and war | I g 1 | 172 | Philippine Islands | U d 11, U x 3 | 991 |
| Pears | I u 11 + | 634 | Philology | O a | 400 |
| Peat | I l 4 + | 644 | Philosophers, lives of | I a 1 | 921 |
| Pedobaptism | A o 6 | 264 | Philosophical dictionaries | I a 1 | 103 |
| Peerage | U h 2 | 322 | Philosophy | I a | 100 |
| Peloponnesus | U l | 938, 949 | ancient | I a 1 | 180 |
| Penal law | E h | 345 | biography of | U z 1 | 921 |
| Penance | A g | 244 | Greek | I a | 182, 888 |
| Peninsular war | I w 1, U v 3, U w 9 | 946 | history of | I a 1 | 109 |
| Penitentiaries | E h | 365 | Latin | I a | 878 |
| Penmanship | Y g 4 | 652 | mental | I c | 150 |
| Pennsylvania | U y 8 | 975 | modern | I a | 190 |
| Pentateuch | A o 3 | 222 | moral | I g | 170 |
| Perception | I o | 152 | natural | I k | 530 |
| Perfectionists | A o 7, A o 11 | 289 | of art | I s | 701 |
| Perfumery | I u 10 | 660, 646 | history | U a | 901 |
| Periodicals | | | language | O a | 401 |
| bibliographical | Y a | 10 | literature | Y k | 801 |
| fine arts | I s | 705 | science | I k | 501 |
| general | O n | 50 | sociology | I m 3 | 301 |
| history | O n 1 | 905 | religion | A q 1 | 201 |
| literature | O n | 805 | useful arts | I u | 601 |
| medicine | I n | 610 | Phoenicia | U x 7 | 939 |
| natural science | I l | 505 | Phoenician language | O a 2 | 493 |
| philology | O a | 405 | Phonetic short-hand | Y h | 653 |
| philosophy | I a | 105 | “ spelling | O a | 421 |
| science | I z | 505 | Phonograph | I r 2 | 653 |
| sociology | I m 3 | 305 | Phonology | O a | 414 |
| theology | A r | 205 | Photographic chemistry | I s 5 | 771 |
| useful arts | I u | 605 | Photographs | I s 5, U z 3 | 773 |
| Perpetual motion | I q | 531 | Photography | I s 5 | 770 |
| Persecutions | A o, A o 12, | | Photo-lithography | I s 5 | 775 |
| | A o 13 | 272 | Phrase-books | O a 2 | 415, 425, etc. |
| Persia, ancient history | U e, U x 8 | 935 | Phrenology | I d | 139 |
| “ modern “ | U d 11, U x 8 | 955 | Phthisis | I n 5 | 616 |

| | | | | | |
|--------------------------------|-----------------------|----------|------------------------|-------------------|---------------------|
| Physical education | I h | 613 | Poetry— | | |
| “ geography | U b 11 | 551 | Greek | Od 1 | 881 |
| Physicians, lives of | I n 9 | 926 | history of | Od | 811 |
| Physics | I k | 530 | Italian | Od 5 | 851 |
| dictionaries and encyclopedias | I k | 530 | Latin | Od 1 | 871 |
| molecular | I k | 539 | Oriental | Od 6 | 890 |
| periodicals & transact's | I y, I z | 530 | sacred | A i, etc. | 245, 821, 831, etc. |
| Physiognomy | I d | 138 | Scottish | Od 2 △ | 821, 896 |
| Physiography | U b 11 | 551 | Spanish | Od 6 | 861 |
| Physiology | I n 1 | 612 | Poets, American | Od 2 v | 928, 821 |
| “ comparative | I 16 | 591 | “ lives | Od 2 □, U z 1 | 928 |
| “ mental | I n 8 | 131 | Poisons | I n 2 + | 615 |
| “ vegetable | I l 5 | 581 | Poland | U q 4 | 949 |
| Piano-forte | I s 7 vi | 786 | “ travels | U d 7 | 914 |
| Picts | U p 2 + | 936, 941 | Polar regions | U d 3 + | 919, 998, 999 |
| Picture galleries | I s 6 | 759 | | | |
| Picturesque views & tours | I s 6 □ | 910-919 | Police | E h | 354 |
| Piedmont | I u | 945 | Polish language | O a 2 | 497 |
| Pig | I u 13 | 636 | “ literature | Y k 6 | 899 |
| Pigeons | I u 13 | 598 | Politeness | I g 3 | 177 |
| Pigmies | I m 2 | 573 | Political associations | I i | 363 |
| Piracy | E b, U y 13 | 345 | “ economy | I i 1 | 330 |
| Pisciculture | I u 11 □ | 639 | “ essays | I i, U p 6, U y 6 | 329 |
| Plague | I n 5 | 616, 614 | “ institutions | I i | 363 |
| Planets | I p | 523 | “ pamphlets | U p 6, U y 6 | S, 329 |
| Plans for building | I t 2 | 692 | “ science | I i | 320 |
| Plants | I l 5 | 580 | “ sermons | A m | 256 |
| landscape gardening | I u 12 | 710 | “ speeches | O c, U p 6, U y 6 | 329 |
| paleontology | I l 2 | 560 | Politics, American | U y 6 | 324, 973 |
| Plate | I t 6 + | 645, 671 | “ British | U p 6 | 323, 942 |
| Plato | I a | 921, 184 | Polity, ecclesiastical | A l | 262 |
| Platonic philosophy | I a 1 | 184 | Polygamy | I g 2 | 173, 345 |
| Platonists, new | I a 1 | 186 | Polyglot Bibles | A c 1 | 220 |
| Players' lives | U z 1 △ | 927 | Polygraphy | O i | 40 |
| Playing cards | I x 2, Y g 1 | 795 | Polynesia, botany | I l 1, I l 5 | 589 |
| Plays | O e | 812, 792 | customs and costumes | U f 9 | 399 |
| Pleading | E a | 349 | ecclesiastical history | A o 15 | 279 |
| Plumbing | I t 5 | 696 | geography | U b 9 | 919 |
| Plurality of worlds | I h 3 | 521 | geology | I l 3 | 559 |
| Pneumatics | I k 3 | 533 | history | U x 5 | 996 |
| Pneumatology | A l, I o | 150 | languages | O a 2 | 499 |
| Poetical books of Bible | I c 3 | 223 | statistics | U c | 319 |
| “ selections | O d 2 iv, v 811, 821, | | travels | U d 3 | 919 |
| | | etc. | | I l 6 | 593 |
| Poetry | Od | 811 | Polyps | A q | 290 |
| American | O d 2 | 821 | Polytheism | I u 11 + | 634 |
| collections of | O d 2 v | 811 | Pomology | U f 6 + | 912, 937 |
| criticism of | O b 811, 821, etc. | | Pompeii | I u 12 | 714 |
| English | O d 2 | 321 | Ponds, artificial | P o o r | 339 |
| French | O d 3 | 841 | “ laws | E f | 343 |
| German | O d 4 | 831 | “ houses | I i 7 | 339 |

| | | | | | |
|--------------------------|----------------------|-----------|--------------------------|--------------------|----------------|
| Popery | A 11, A 02 | 282 | Private grounds | I u 12 | 712 |
| Popes | A o 13, | 922, 282, | “ libraries | Y d | 19 |
| “ individual | U z | 274 | “ theatraclals | I x 2 | 792 |
| “ lives of | A o 13 | 922 | “ worship | A h | 248 |
| Popular science | I k | S, 500 | Privateers | E b | 341 |
| “ antiquities | U f 9 | 571 | Probabilities | I o 4 | 519 |
| Population | I i 1, U e | 312 | Production | I i 1 | 338 |
| Porcelain | I u 9 | 738 | Productions of the soil | I u 11 | 633 |
| Porto Rico | U y 9 vi | 979 | Professional ethics | E a, I n 3+ | 174 |
| Portrait painting | I s 2 | 757 | Progressive Friends | A o 10 | 289 |
| Portraits | U z 3 | 777 | Progress of civilization | I m 3 | 312 |
| Port Royal | A o 2+ | 271 | “ of population | U c | 313 |
| Portugal | U d 8, U w | 946 | Prohibited books | A o 12, Y b | 28 |
| Portuguese language | O a 2 | 469 | Prohibition | I g 5 | 178 |
| “ literature | Y k 6 | 860 | Projectiles | I w | 358, 531 |
| “ poetry | O d 6 | 861 | Projection | I s 1 | 744 |
| Positivism | I a | 146 | Promissory notes | E e 2 | 343 |
| Postage-stamps | Y g 5 | 383 | Pronunciation | O a 411, 421, 431, | etc. |
| Post-offices | I i 3+, U y 7 vii | 383 | Property | I i 1 | 331 |
| Potato | I u 11 | 633 | “ law | E e | 342, 343 |
| Pottery | I u 9 | 738, 673 | “ tax | I i 2 | 336 |
| Poultry | I u 13 | 636 | Prophecy | A e, I e | 231 |
| Powder | I u 10, I w | 662, 355 | Prophetic books of Bible | A c 3 | 224 |
| Practice of medicine | I n 3 | 615 | Prose composition, Greek | O a 1 | 485 |
| Prayer | A h | 217 | “ “ Latin | O a 1 | 475 |
| “ books | A g 2 | 244 | Prosody, comparative | O a, O d | 416 |
| “ meetings | A h | 247 | English | O a 2 | 426 |
| Preachers, lives of | A o 14 | 922 | French | O a 2 | 446 |
| Preaching | A m | 250 | German | O a 2 | 436 |
| Precedence | U h | 929 | Greek | O a 1 | 486 |
| Precedents, legal | E a, E e | 343 | Italian | O a 2 | 456 |
| Precious metals | I i 2 | 549 | Latin | O a 1 | 476 |
| “ stones | I t 6+ | 549 | Spanish | O a 2 | 466 |
| Predestination | A l | 231 | Prostitution | I g 2, I n 7 | 176, 618 |
| Pregnancy | I n 4 | 618 | Protection | I i 1 | 337 |
| Pre-historic archaeology | U f 1 | 571 | Protestant episcopal | A o 3 | 283 |
| Presbyterians | A o 4 | 284 | Protestantism | A o 11 | 283-289 |
| Prescriptions | I n 2 | 615 | “ and Romanism | A l 1 | 282 |
| Press, liberty of | E e, E f | 324 | Protoplasm | I l 7 | 576 |
| Pretenders | U p 1 △ | 923, 842 | Protozoa | I l 6 | 593 |
| Prices | I i 3 | 381, 382 | paleontology | I l 2 | 563 |
| “ current | O p | 381, 382 | Provençal language | O a 2, O d 3+ | 449 |
| “ history of | I i 3+ | 380 | Proverbs | O g 2 | 819 |
| Primeval man | I m 1, U f 1 | 571 | “ Book of | A c 3 | 223 |
| Primitive Christianity | A o | 270 | Providence | A b | 214 |
| Primogeniture | E d, E e 1 | 322 | Provincialisms | O a 2 | 427, 437, etc. |
| Printing | Y g | 655 | Pruning | I u 11+ | 634, 715 |
| Prints, books of | I s 6 | 769 | Prussia | U s 3 | 943 |
| Prison associations | E h | 365 | Psalms | A c, A i | 223 |
| “ discipline | E h | 365 | Pseudonyms | Y b | 14 |
| Prisons | E h | 365 | Psychology | I c | 140 |

| | | | | | |
|------------------------|----------------------|---------------|---------------------------|----------------|----------------|
| Public accounts | U y 7, etc. | 336 | Railways, laws of | E f | 343 |
| " administration | I i | 350 | Rain | I k 3 | 551 |
| " buildings | I t 7 | 725 | Rank | U h | 322 |
| " charities | I i 7 | 361 | Rarissima | Y i 1 | 20 |
| " documents | U y 7, U y 8 | 328 | Rationalism | A b | 211, 155 |
| " education | I h 2 | 370 | Readers | O b 1 | 418, 428, 438, |
| " finance | I i 1 | 336 | | | etc. |
| " health | I n 7 | 614 | Reading, art of | O b | 815 |
| " houses | I g 5 | 390 | Reading clubs | I h 4 | 374 |
| " lands | U y 7, vi | 353 | " courses | Y a | 15, 16 |
| " meetings | I i, U y 6 | 360 | " for self-education | I h 4 | 374 |
| " schools | I h 2 | 378 | Real estate law | E e 1 | 343 |
| " speaking | O b | 815 | Reason | I c | 155 |
| " worship | A g | 246 | Rebellion, Southern | U b 6 +, U y 5 | 973 |
| Publishers' circulars | Y c | 15 | Rebellions of 1717 & 1745 | U p 1 △ | 941, 942 |
| Pulpit oratory | A m | 250 | Recipe books | I u 15 | 640 |
| Pumps | I q | 532 | Reconstruction | U y 5 | 973, 976 |
| Punctuation | O b 2 | 421 | Record Commission | U p 5 △ | 942 |
| Punishment | E h | 345 | Recreational arts | I x | 790 |
| Punjab | U x 3 | 915, 954 | Redemption | A l | 234 |
| Puritans | A o 5 | 277, 289 | Reformation | A o 11 | 274 |
| Puseyism | A o 3 | 244, 283 | " in France | A o 11 □ | 274 |
| Puzzles | I x 2 | 793 | " in Germany | A o 11 △ | 274 |
| Pygmies | I m 2 | 573 | " in Italy | A o 11 iv | 274 |
| Pyramids | U f 4 | 916, 932 | " in Spain | A o 11 v | 274 |
| Pyrites | I l 4 | 549 | Reformatory associations | I i 7 | 364 |
| Pyrotechnics | I u 10 | 662 | " institutions | E h | 364 |
| Pyrrhonism | I a 1 | 186 | Reformed church | A o 11 △ | 289 |
| Pythagorean philosophy | I a 1 | 182 | " Episcopal Ch' h | A o 3 + | 283 |
| Quadruped | I l 6 | 599 | Reform schools | I h 2 | 364 |
| Quadrupeds | I l 6 | 599 | Regeneration | A l | 234 |
| Quakers | A o 10 | 289 | Regicides | U p 9 | 923, 942 |
| Qualitative analysis | I k 4 | 544 | Regimen | I n 7 | 613 |
| Quantitative " | I k 4 | 545 | Regiments | U p 8, U y 5 | 355 |
| Quarantine | I i 7 | 614 | Registers | O o | 313 |
| Quarrying | I l 4 | 628, 691 | " U. S. officers | U y 7 + | 350 |
| Quaternions | I o 1 | 518 | Registration | U c | 311 |
| Queens, lives of | U p 7, U z 1 | 923 | Regulations of armies | E n, U y 7 □, | |
| Quietists | A o 2 + | 282 | | etc. | 355 |
| Quotations | O m 6 819, 829, etc. | | " of navies | U y 7 v, etc. | 359 |
| Race-horse | I x 1 | 798 | Religion | A | 200 |
| Races of men | I m 2 | 572 | and philosophy | A f | 201 |
| Racing | I x 1 | 798 | and science | A f i | 215 |
| Radiates | I l 6 | 593 | history of | A q 1 | 209, 270, 299 |
| " paleontology | I l 2 | 563 | philosophy of | A q 1 | 201 |
| Railroad corporations | I i 6 | 343, 385, 656 | practical | A l | 240 |
| " engineering | I i 6 | 625 | Religions, Non-Christian | A q | 290 |
| " locomotives | I i 6 | 621 | Religious anecdotes | O g | 249 |
| " transportation | I i 6 | 345, 385, 656 | " associations | A o 15 | 362 |
| Railroads | I i 6 | 385 | " biography | A o 14, U z | 922 |
| Railway guides | I i 6 | 385 | " ceremonies | A g | 244 |
| " excursions | I i 6 | 385, 913 | " charities | A o 15, I i 7 | 260, 361 |

| | | | | | |
|-------------------------|----------|----------------|----------------------|---------------|-----------|
| Religious education | I h | 377 | Rolls | Up 5△ | 942 |
| " encyclopedias | A | 202 | Rolls of honor | U y 5 | 355 |
| " essays | A l | 204 | Roman administration | E d, U m | 348, 937 |
| " fiction | Ö f | 249 | " antiquities | U f 6 | 937 |
| " institutions | A o, A q | 362 | " architecture | I t | 722 |
| " orders | A o 15+ | 271 | " art | I s 10 | 709 |
| " periodicals | A r | 205 | " Catholicism | A l 1, A o 2 | 282 |
| " philosophy | A l | 201 | " history, ancient | U m | 937 |
| " superstitions | A q 1 | 133 | " " modern | U u 2 | 945 |
| Remains | I l 2 | 560 | " inquisition | A o 12 | 274, 937 |
| Renaissance | U o 1 | 940 | " law | E d | 348 |
| Rent | I i 1 | 333 | " literature | Y k 1 | 870 |
| Repentance | A l | 234, 241 | " mythology | A q 2 | 292 |
| Reports, law | E k | 340 | " poetry | O d 1 | 871 |
| " mercantile | I i 3△ | 380 | " sculpture | I s 4 | 733 |
| Reptiles | I l 6 | .598 | Romance | O f | 813 |
| " paleontology | I l 2 | 568 | English | O f 2 | 823 |
| Republican institutions | I i | 324 | French | O f 3 | 843 |
| Resistance of materials | I t | 691 | German | O f 4 | 833 |
| Restoration, English | U p 1 | 942 | Italian | O f 5 | 853 |
| " French | U v 4 | 944 | language | O a 2 | 459 |
| Resurrection | A f 2 | 236 | Religious | O f | 249 |
| Retribution | A l | 237 | Spanish | O f 6 | 863 |
| Revealed religion | A f | 231 | Romanic languages | O a 2 | 440-469 |
| Revelation, Book of | A c 5 | 231 | " literature | Y k | 840-860 |
| Revenue | I i 2 | 336 | Romanism | A l 1 | 282 |
| Reviews | O n | S | Rome, ancient | U f 6, U m | 937 |
| Revivals | A o | 269 | books against | A l 1 | 282 |
| Revolution, American | U y 3 | 973 | Church of | A o 2 | 282 |
| " English | U p 1, 7 | 942 | city, antiquities | U f 6 □ | 722, 733, |
| " French (1789) | U v 2 | 944 | | | 937 |
| " " (1830) | U v 4 | 944 | empire | U m 1 | 912, 937 |
| " " (1848) | U v 5 | 944 | history | U m, U u 2 | 274, 937 |
| Rhetoric | O b | 815 | missions | A o 15 | 266 |
| " sacred | A m | 251 | modern | U u 2 | 945 |
| Rhine | U d 6 | 914 | regal and republican | U m | 937 |
| Rhode Island | U y 8 | 974 | theology | A l | 282 |
| Rhododendron | I l 5+ | 582 | topography | U f 6 □ | 912, 914 |
| Riddles | I x 2 | 819, 829, etc. | Romish church | A o 2 | 282 |
| Riding | I x 1 | 798 | Rope-making | I u 10 | 677 |
| Rifle | I x 1 | 683, 799 | Rose | I l 5 | 583, 716 |
| Right of search | E b | 341 | Rosicrucians | U l | 366 |
| Rights and liberties | E e, I i | 342 | Roumania | U x 1 | 949 |
| Riots | E f | 343 | Round the world | U d 3 | 913 |
| Rites and ceremonies | A g | 244 | Rowing | I x 1 | 797 |
| Ritualism | A o 3 | 244 | Royal houses | U h 2 | 923 |
| River transportation | I i 5 | 387 | " lives | U p 7, U v 1, | |
| Rivers | U b 10 | 551 | | " U z 1 | 923 |
| " (engineering) | I i 5 | 624, 628 | Rubber manufactures | I u 8 | 675 |
| Roads | I i 5 | 625 | Ruins | I t 7, U f | 720 |
| Rocky Mountains | U y 2+ | 557, 917 | Rules of order | E g | 343 |
| Rodentia | I l 6 | 599 | Ruminants | I l 6 | 599 |

| | | | | | |
|--------------------------|------------------|----------------|----------------------------|-----------------|----------|
| Rural architecture | I t 2 | 728 | Scandinavia | U r | 948 |
| " cemeteries | I u 12 | 719 | Scandinavian language | O a 2 | 498 |
| " life | I u 12 | 390, 630, 710 | " literature | Y k 4 | 898 |
| " sports | I x 1 | 796 | " poetry | O d 6 | 898 |
| Russia | U d 7, U q | 947 | Scepticism | A f | 211 |
| geography | U b | 914, 915 | Schelling's philosophy | I a | 193 |
| history | U q | 947 | Schleswig-Holstein | U r | 943 |
| literature | Y k 6 | 897 | Scholastic philosophy | I a | 198 |
| poetry | O d 6 | 897 | School and church | I h | 377 |
| travels | U d 7 | 914, 915 | apparatus | I h | 377 |
| Russia in Asia | U d 11+ | 915, 957 | architecture | I t 8 | 727 |
| Russian America | U y 8 | 977 | Schools | I h 2 | 378 |
| " language | O a 2 | 497 | Bible in | I h | 372 |
| Sabbatarians | A n 1 | 289 | common | I h 2 | 378 |
| Sabbath | A n 1 | 263 | industrial | I h 2 | 610 |
| " reform | A n 1 | 263 | medical | I n 9 | 355 |
| " schools | A o 15 | 268 | military | I h 2 | 359 |
| Sacraments | A g, A l | 264, 265, | naval | I h 2 | 372 |
| | | 282 | of art | I s 10 | 707 |
| Sacred biography | A d | 922 | of painting | I s 10 | 753-756 |
| " history | A d | 270 | Sunday | A o 15 | 268 |
| " music | I s 7 □ | 783 | Schopenhauer's philosoph'y | I a | 193 |
| " poetry | A i | 811, 821, etc. | Science and religion | A f 1 | 256 |
| " rhetoric | A m | 251 | and revelation | A f 1 | 215 |
| Sacrifices | A e | 221 | biography of | U z 1 | 925 |
| Saddlery | I u 8 | 685 | mental | I c | 150 |
| Sagas | A q 3, U r | 898 | moral | I g | 170 |
| Sahara | U d 12 □ | 551, 916 | Natural | I k | 500 |
| Sailing directions | U b 10 | 656 | of religion | A q 1 | 201 |
| Sailors | I r 1, U p 8, | | Sciences and arts | I | 500, 600 |
| | U y 14 | 387 | Scientific education | I h | 507 |
| St. Domingo | U y 9 iv | 979 | institutions | I y | 378 |
| St. Helena | U d 12 iv, U v 3 | 997 | men, lives of | U z 1 | 925 |
| St. John, Knights of | U h 3+ | 271 | periodicals | I z | |
| Saints | A o 13 | 922 | schools | I h 2 | 378 |
| " lives of | A o 13 | 922 | societies | I y | 506 |
| Sale catalogues of books | Y c | 17, 18 | transactions | I y | 505 |
| Salt manufacture | I u 10 | 664 | travels | I l 1 | 508 |
| Salvation | A l | 234 | Scotch churches | A o 4 | 284 |
| Sandwich Islands | U d 3, U x 5 | 997 | language | O a 2 | 496 |
| Sanitary commissions | I i 7 | 364 | literature | Y k 6 | 820, 896 |
| " " U. S. | U y 5 | 361 | music | I s 7 △ | 780 |
| " legislation | I n 7 | 614 | philosophy | I a, I c | 191 |
| " measures | I n 7 | 614 | poetry | O d 2 △ | 821, 896 |
| Sanskrit language | A q 4, O a 2 | 494 | Scotland | U c 2 △, U d 9, | |
| Sardinia | U u | 945 | | U p 2 | 941 |
| Satan | A l, I e | 235 | antiquities | U p 2+ | 941 |
| Satire | O b | 817 | history | U p 2 | 941 |
| Savings banks | I i 2 | 332 | geography | U c 2 △ | 914 |
| Saxon language | O a 2 | 429 | travels | U d 9 | 914 |
| Saxons | U p 1+, U s | 943 | Scottish poetry | O d 2 △ | 821 |
| Saxony | U s | 914, 943 | Screw propulsion | I q, I v | 621, 699 |

| | | | | | |
|------------------------|----------------|----------|-------------------------|--------------------|----------------|
| Scripture chronologies | A d | 220 | Shemitic languages | O a 2 | 493 |
| " commentaries | A e | 220 | Shetland islands | U c 2 △ | 914, 941 |
| " concordances | A d | 220 | Ship-building | I v | 699 |
| " dictionaries | A d | 220 | " canals | I i 5 | 626, 387 |
| " harmonies | A d | 220 | Shipping and freighting | I i 3 | 385-7, 656 |
| " histories | A d | 220 | " laws | E b | 346 |
| Scriptures | A o | 220 | Ships | I v | 656, 699 |
| Scrofulous diseases | I n 5 | 616 | Shipwrecks | U d 5 | 913 |
| Sculptors' lives | U s 1 △ | 927 | Shoemaking | I u 8 | 685, 675 |
| Sculpture | I s 4 | 730 | Shooting | I x 1 | 799 |
| Sea fishery | I v 3 | 639 | Short-hand | Y h | 653 |
| laws | E b | 346 | Shrubbery | I u 12 | 716 |
| Seal engraving | I s 4 | 736 | Shrubs | I l 5 + | 715 |
| Seamanship | I v | 656, 527 | Siam | U x 3 | 959 |
| Secession | U b 6 +, U y 5 | 342 | Siberia | U d 11 +, U q 2 | 957 |
| Second advent | A l | 236, 289 | Sibylline books | A q 2 + | 292, 937 |
| " Empire | U v 6 | 944 | Sicily | U u 4 | 945 |
| " sight | I e 4 | 133 | Sick-room | I n 3 | 649 |
| " war with G. Britain | U y 4 | 942, 973 | Sieges | U w 1 | 355, 623 |
| Secret societies | U i | 366 | Sierra Leone | U d 6, U s 10 | 916, |
| Sects, Christian | A o 11 | 280 | | | 966 |
| Secular education | I h | 377 | Sight | I r | 535 |
| Self-education | I h 4 | 374 | " diseases | I n 5 | 613 |
| Semitic languages | O a 2 | 493 | Signals | I k 2 | 654 |
| " literature | A n, Y k | 893 | Sign painting | I u 10 | 698 |
| " poetry | A n, O d 6 | 893 | Silk culture | I u 14 | 638 |
| Sensation | I o | 152 | " manufacture | I u 14 | 677 |
| Sensational psychology | I c | 145 | " worm | I u 14 | 638, 595 |
| Sense | I c | 152 | Silver metallurgy | I u 4 | 549 |
| Sepoy war | U x 3 iv | 942, 954 | " mining | I l 4 | 628 |
| Sepulchres | U f 9 | 718 | " money | I i 2 | 332 |
| Sepulture | I n 7 | 614 | Simony | Ed | 270 |
| Sermons | A m | 252-259 | Sin | A l | 233 |
| Serpent worship | A q 1 | 299 | Singing | I s 7 + | 784 |
| Serpents | I l 6 | 598 | Sintooism | A q 6 | 294 |
| Servants | I u 17 | 647 | Sisters of Charity | A o 15 | 271 |
| Servia | U s 1 | 949 | " Mercy | A o 15 | 362 |
| Service books | A g | 244 | Skating | I x 1 | 796 |
| Sewerage | I n 7 | 614 | Skepticism | A f | 211 |
| Sewing | I u 17 | 687 | Skin diseases | I n 5 | 616 |
| " machine | I u 17 | 687 | Skye | U c 2 △ | 941 |
| Sex in education | I h | 376 | Slander | E h, I g 1 | 177, 345 |
| " nature | I g 2, I n 4 | 576 | Slang | O a 2 | 427, 437, etc. |
| Sexes | I g 2, I n 4 | 136 | Slating | I t 3 | 695 |
| Sexual ethics | I g 2 | 176 | Slavery, American | I i 4, U y 2, 5, 6 | 326, |
| " science | I n 1 | 618 | | | 976 |
| Shades and shadows | I s 1 | 744 | " and slave trade | I i 4 | 326 |
| Shakers | A o 11 | 289 | Slavic language | O a 2 | 497 |
| Shakesperiana | O e 2 + | 822 | " literature | Y k 6 | 897 |
| Sheep | I u 13 | 636 | " poetry | O d 6 | 897 |
| Shells | I l 6 | 594 | Sleep | I e 4 | 135 |
| " fossil | I l 2 | 564 | " walking | I e 4 | 135 |

ALPHABETICAL INDEX.

65

| | | | | | |
|------------------------|----------------|----------------|-----------------------------|------------|----------------|
| Smallpox | I n 5 | 614, 616 | South America travels | U d 13 + | 918 |
| Soap-making | I u 10 | 664 | South Carolina | U y 8 | 976 |
| Social ethics | I g | 177 | South Kensington Museum | I u 16 | 506 |
| " organization | I i | 360 | South Sea | U d 3 | 999 |
| " science | I m 3 | 300 | Southern States | U y 8 | 976 |
| " worship | A o | 247 | Sovereigns | U z 5 note | 923 |
| Socialism | I i 1 | 335 | Spain | U d 8, U w | 946 |
| Societies, benevolent | I i 7 | 361 | " Arabs in | U x 6 + | 946 |
| " fine arts | I s | 706 | " church in | A o 11 v, | |
| " history | U y 8, etc. | 906 | " geography | A o 2 □ | 274 |
| " literature | O n | 806 | " history | U b | 914 |
| " natural science | I y | 506 | " travels | U w | 946 |
| " philology | O a | 406 | Spanish art | I s 10 | 709, 946 |
| " philosophy | I y | 106 | dictionaries | O a 2 | 463 |
| " science | I y | 506 | drama | O e 6 | 862 |
| " secret | U i | 366 | fiction | O f 6 | 863 |
| " sociology | I m 3 | 306 | language | O a 2 | 460 |
| " theology | A o 15 | 206 | literature | Y k 6 | 860 |
| " useful arts | I u | 606 | music | I s 7 | 780 |
| Society | I g, I i | 177 | philosophy | I a 1 | 196 |
| Socinians | A o 8 + | 273 | poetry | O d 6 | 861 |
| Sociology | I m 3 | 300 | Speakers | O b 1 | 815, 825, etc. |
| Socratic philosophy | I a | 183 | Specie payment | I i 2 | 332 |
| Soils | I u 11 | 631 | Species | I l 7 | 570, 590 |
| Solar system | I p | 523 | Specifications for building | I t | 692 |
| Soldiers | I w, U p 8, | | Spectres | I e 3 | 133 |
| | U y 14 . | 355 | Spectroscope | I r 1 | 535 |
| Solitude | I g 1 | 171 | Spectrum analysis | I k 6 | 544 |
| Somnambulism | I e 4 | 135 | Speech, organs of | I n 1 | 611 |
| Songs | O d 2 + | 784 | Speeches | O c | 815, 825, etc. |
| " & ballads, English | | 784, 821 | " collections of | O c | 815 |
| " with music | I s 7 △ | 784 | Spencer, philosophy of | I a | 192 |
| Sonnets | O d 2, 3, etc. | | Spherical astronomy | I p | 521 |
| | | 811, 821, etc. | " geometry | I o 2 | 513 |
| Sophist philosophy | I a | 183 | " trigonometry | I o 2 | 514 |
| Sorcery | I e 3 | 133 | Spiders | I l 6 | 595 |
| Soteriology | A l | 234, 613 | Spinoza's philosophy | I a | 147 |
| Soudan | U d 12 □ | 916, 966 | Spiritualism, modern | I e 4 | 133 |
| Soul | A l, I c | 233 | Spontaneous generation | I l 7 | 577 |
| Sound | I r | 534 | Sporting anecdotes | I x 1 + | 796 |
| South Africa | U d 12 △, | | " guns | I x 1 | 683, 799 |
| | U x 11 | 968 | " magazines | I x 1 + | 796 |
| botany | I l 1 | 586 | " tours | I x 1 + | 796 |
| geography | U b, U b 4 | 916 | Sports and games | I x | 796 |
| South America | U y 11 | 980 | " field | I x 1 | 796 |
| botany | I l 1 | 588 | " parlor | I x 2 | 793 |
| customs and costumes | U f 9 | 398 | Stables | I t 2 | 636 |
| ecclesiastical history | A o 2 | 278 | Stage | O e | 792 |
| geography | U b, U b 5 | 918 | Stained glass | I u 9 | 745 |
| geology | I l 3 | 558 | Stairbuilding | I t 4 | 694 |
| history | U y 11 | 980 | | | |
| statistics | U e 6 | 318 | | | |

| | | | | | |
|------------------------|----------------------|--------------------|-----------------------|---------------|------------|
| Stammering | I | 616 | Stringed instruments | I s 7 vi | 787 |
| Stamps | Y g 5 | 383 | Stuarts | U h 2 | 923, 941-2 |
| Standing army | I i | 355 | Study, methods of | I h 4 | 371 |
| Starch manufacture | I u 10 | 664 | Stuttering | I r | 616 |
| Stars | I p | 523 | Sublime and beautiful | I s, O b | 701 |
| State | I i | 320 | Submarine armor | I v 2 | 627 |
| " ethics | I g | 172 | " telegraph | I k 2 | 384 |
| " papers | U y 7, etc., | | Succession | I i | 323 |
| " Up 5 | | 328 | Suez Canal | U x 4+ | 386, 662 |
| " rights | U y 6 | 342 | Suffrage | I i | 324 |
| " trials | E k 1 | 345 | Sugar-cane | I u 11 | 633 |
| States of the Church | U u 2 | 914, 945 | " manufacture | I u 15 | 664 |
| States, the several | U y 8 | 974-977 | Suicide | I g 1, I n 8 | 131 |
| Statesman Year book | I p 1 | 310 | Sumatra | U d 11, U x 3 | 992 |
| Statesmen, lives | U z 1 | 923 | Summer-houses | I t 2 | 717 |
| Statics | I q | 531 | Sun | I p | 523 |
| Statistical methods | U c | 311 | Sunda | U d 11 | 992 |
| Statistics | U c | 310 | Sunday | A n 1 | 236 |
| Statuary | I s 4 | 730 | " laws | A n 1 | 263, 342 |
| Statute law | E f | 343 | " schools | A o 15 | 268 |
| Steam-engine | I q | 621 | Supernaturalism | I e | 133 |
| " fitting | I q, I t 5 | 696 | Superstition | A q, I e | 133 |
| " navigation | I v | 527, 656 | Surgery | I n 4 | 617 |
| " transportation | I i 6, I v | 385, 656 | Surnames | U h 2 | 929 |
| Steel | I u 3 | 669 | Surveying | I o 2 | 622 |
| " engraving | I s 3 | 762 | Susceptibility | I c | 157 |
| Stenography | Y h | 653 | Sweden | U d 7, U r | 948 |
| Stereoscopes and views | I r 1, I s 5 | 776 | Swedenborg | I e | 289, 922 |
| Stereotyping | Y g | 655 | Swedeborgians | A o 11 | 289 |
| Stethoscope | I n 3 | 616 | Swedish language | O a 2 | 498 |
| Stewart's philosophy | I c | 191 | literature | Y k 4 | 898 |
| Stigmata | I e 3 | 133, 282 | poetry | O d 6 | 898 |
| Stills | I u 10+ | 663 | Swimming | I x 1 | 796 |
| Stimulants | I g 5, I n 2+ | 178, 615, 663 | Swine | I u 13 | 636 |
| and narcotics | I n 2+ | 615 | Switzerland | U d 8, U u 1 | 949 |
| ethics of using | I g 5 | 178 | " history | U u 1+ | 949 |
| Stipple engraving | I s 3 | 765 | " travels | U d 8 | 914 |
| Stock, live | I u 13 | 636 | Syllogism | I f | 160 |
| Stocks | I i 2 | 333 | Symbolism | A q 1 | 219 |
| Stoic philosophy | I a 1 | 188 | Synonyms, English | O a 2 | 424 |
| Stomach diseases | I n 5 | 616 | " French | O a 2 | 444 |
| Stone age | U f 1 | 571 | " German | O a 2 | 434 |
| Stone-cutting | I s 4 | 693, 736 | " Greek | O a 1 | 484 |
| Stoneware | I u 9 | 673 | " Italian | O a 2 | 454 |
| Storms | I k 3 | 551 | " Latin | O a 1 | 474 |
| Stoves | I t 5, 644, 672, 697 | | " Spanish | O a 2 | 464 |
| Strategy | I w | 355 | Syphilis | I n 5 | 616 |
| Strawberries | I u 11+ | 634 | Syria | U d 10+ | 956 |
| Strength of materials | I i 5 | 531, 621, 624, 691 | Syriac language | O a 2 | 493 |
| Strikes | I i 1 | 331, 367 | Syro-Chaldaic | O a 2 | 493 |
| | | | Systematic botany | I l 5 | 582 |
| | | | " theology | A l | 230 |

| | | | | | |
|-----------------------------|------------------|----------------|---------------------------|--------------|-----------|
| Tableaux | I x 2 | 791 | Theatres, ethics | I g 4 | 175 |
| Table and parlor games | I x 2 | 793 | Theatricals, private | I x 2 | 792 |
| Tables, dining | I t 6 | 643 | Theft | E h | 345 |
| " mathematical | I o 3 | 514 | Theism | A b | 211 |
| Table talk | O g 1 | 819, 829, etc. | Theodicy | A l | 231, 214 |
| Tachygraphy | Y h | 653 | Theologians | A k | 922 |
| Tactics | I w | 355 | Theological essays | A l | 204 |
| Tailoring | I u 10 | 687 | " schools | I h 2 | 207 |
| Tales | O f | 813, 823, etc. | THEOLOGY | A | 200 |
| Talmud | A n | 296 | " biography of | A o 14 | 922 |
| Tanning | I u 8 | 675 | " devotional | A g, A h | 240 |
| Taoism | A q 6 | 294 | " doctrinal | A l | 230 |
| Tapestry | I u 5 | 747 | " natural | A b | 210 |
| Tariffs | I i 3 +, U y 7 △ | 337 | " pastoral | A l | 250 |
| Tartary | U d 11 △, U x 13 | | " practical | A l | 240 |
| | | 951, 959 | " systematic and | | |
| Taste and criticism | O b | 701 | polemic | A l | 230 |
| Taxation | I i 2 | 336 | Theoretical astronomy | I p | 521 |
| Taxidermy | I l 6 | 579 | " chemistry | I k 4 | 541 |
| Tea cultivation | I u 11 | 633 | " ethics | I g | 171 |
| Teachers and teaching | I h | 371 | Therapeutics | I n 3 | 615 |
| Technical dictionaries | I u | | Thermometers | | 536 |
| See also names of subjects. | | | Thibet | U d 11 △ | 951 |
| Technology | I u | S | Thirty-nine articles | A g 2 | 283 |
| " chemical | I k 5 | 660 | Thirty years' war | U s | 943 |
| Teeth | I n 4 + | 611, 617 | Thomsonianism | I n 3 | 615 |
| Tehuantepec | U d 13 △, U y 10 | | Thought | I c | 153 |
| | | 978 | Throat diseases | I n 5 | 616 |
| Telegraph | | 384 | Thunder | I k 3 | 537 |
| Telegraphy | I k 2 | 654 | Tides | I p | 521 |
| Telephones | I k 2 | 384, 654 | Tiles | I t 3 | 695 |
| Telescope | I p | 522, 535 | Tiling | | 695 |
| Temperaments | I d | 137 | Timber | I t 4 | 691 |
| Temperance | I g 5 | 178 | Time standard | | 529 |
| Temperature | I k 3 | 536, 551 | " tables | | 385 |
| Templars | U h 3 + | 366 | Tin manufacture | I u 4 | 671 |
| Tennessee | U y 8 | 976 | " mineral | I l 4 | 549 |
| Terra cotta | I u 9 | 738 | Tithes | E d | 336 |
| Territories, U. S. | U l 3, U y 8 | 917, 977 | Titles of honor | U h | 929 |
| Testacea | I l 6 | 594 | Tobacco | I n 2 + | 178, 615, |
| Testament, New | A c 3 | 225 | | | 633 |
| " Old | A c 5 | 221 | Toilet arts | I u 17 | 646, 390 |
| Testamentary law | E f | 349 | Toleration, religious | A a | 272 |
| Testimony | E a | 349 | Tolls | I i 5 | 336 |
| Texas | U y 8 | 976 | Tombs | I s 4, U f 9 | 718 |
| Textile fabrics | I u 5 | 677 | Topographical engineering | I i 5 | 622 |
| Texts | O m 2 + | 428, 438, | Topography | U c | 910 |
| " comparative | | etc. | " Torpedoes | I v 2 | 662 |
| Thames | U c 3 + | 914 | " Total abstinence | I g 5 | 178 |
| Thanksgiving | A g, A h | 244 | Toxicology | I n 2 + | 615 |
| Theatres | O e | 792 | Tract society | A o 15 | 362 |
| | | | Tractarianism | A o 3 | 244, 283 |

| | | | | | |
|----------------------------|--------------------|----------------|----------------------------------|---------------|----------|
| Trade | I i 3 | 380 | Turkey, travels | U d 10 | 914-5 |
| Trade lists of books | Y e | 18 | Turkish baths | I n 7 | 613 |
| Trade marks | I u | 608 | “ language | O a 2 | 499 |
| Trades, mechanic | I u 10, etc. | 680 | “ literature | Y k 6 | |
| “ unions | I i 1, I i 3 △ | 367, 606, 331 | Turkistan | U d 11 △ | 915, 959 |
| Tragedies | O e | 812, 822, 832, | Turning | I t 4 | 674 |
| | | etc. | Tuscan | U u | 945 |
| Training, physical | I n 7 | 613 | Two Sicilies | U u 4 | 914, 945 |
| Tramways | I i 6 | 385, 388 | Type founding | Y g | 671 |
| Transactions | I y | 106, 206, 306, | Typography | Y g | 655 |
| | | etc. | Tyrol | U u 1 | 943 |
| Transcendentalism | I c | 142 | Understanding | I c | 153 |
| Translating, art of | O b 2 | 815, 410 | Uniforms | I w 1 | 355 |
| Translation, Greek authors | O d 1, O e 1, etc. | 880 | Unitarians | A o 8 | 288 |
| “ Latin authors | O d 1, O e 1, etc. | 870 | United Service journals | U p 8, U y 14 | 355 |
| Transportation | I i 5 | 380, 656, 345 | United States | U y 2 | 324, 973 |
| Transubstantiation | A 11 | 282 | antiquities | U f 8 | 974, 571 |
| Transylvania | U s 1 | 943 | botany | I l 5 | 587 |
| Trapping | I x 1 | 639 | customs and costumes | U f 9 | 397 |
| Travellers, lives of | U z 1 | 920 | directories | U c 7 | 917 |
| manuals for | U d | 910 | ecclesiastical history | A o | 277 |
| Travelling, art of | U d | 913 | fine arts | I s 10 | 709 |
| Travels | U d | 910 | gazetteers | U b | 917 |
| “ collections of | U d 1 | 913, 8 | geography | U b, U b 6 | 917 |
| “ general modern | U d 2 | 913 | geology | I l 3 | 557 |
| “ scientific | I l 1 | 508 | government | U y 7 | 324, 973 |
| Treason | E h | 345 | history | U y 2 | 973 |
| Treasury | U y 7 △ | 352 | literature | Y k 2+ | 820 |
| Treaties | E c | 341 | poetry | O d 2 v | 821 |
| Trees | I l 5 +, I u 11 + | 580 | statistics | U c 6 | 317 |
| “ ornamental | I u 12 | 715 | travels | U d 13 | 917 |
| Trespass | E h | 345 | Unity of human race | I m | 572 |
| Trials | E k | 340 | Universal History | U e | 909 |
| “ by court martial | E n 1 | 347 | “ language | O a | 408 |
| “ civil | E k 2, 3 | 348 | Universalism | A o 8 | 288 |
| “ criminal | E k 1 | 345 | Universities | I h 2 | 378 |
| “ ecclesiastical | E k 4 | 348 | University education | I h | 373 |
| Trigonometry | I o 2 | 514 | Upholstering | I t 6 | 645 |
| Trilobites | I l 6 | 565 | Uruguay | U y 11 △ | 989 |
| Trinity | A i | 232 | Useful arts | I u | 600 |
| Tripoli | U x 9 | 961 | biography of | U z 1 | 926 |
| Troubadours | O d 3 + | 449, 841 | Useful knowledge, collections of | I b | 602 |
| Trunk-making | I u 10 | 685 | Usury | I i 2 | 334 |
| Trusts and trustees | E f | 344 | Utah | A o 9 | 977 |
| Tungusic language | O a 2 | 499 | Vaccination | I n 5 | 616 |
| Tunis | U x 9 | 961 | Van Dieman's Land | U d 4 | 919, 993 |
| Tunnels | I i 5 | 625 | Vases | I t 6 | 738 |
| Turkey | U d 10, U x 1 | 949 | Vaudois | A o 11, U u | 272, 949 |
| “ geography | U b | 914-5 | Vedas | A q 4 | 294, 894 |
| “ history | U x 2 | 956 | Vegetable physiology | I l 5 | 581 |
| “ in Asia | U d 10, U x 1 | 956 | “ practice | I n 3 | 615 |

| | | | | | |
|---------------------|-------------------|-----------|--------------------------|-----------------|----------------|
| Vegetables | I u 11 | 635 | War of 1812 | U y 4 | 973 |
| Vegetarianism | I n 7 | 613 | War science | I w | 355-359 |
| Venereal diseases | I n 5 | 616 | Warehouses | I i 3 | 380 |
| Venezuela | U d 13+, U y 11 | 987 | Warming | I t 5 | 697 |
| Venice | U u 3 | 945 | Washing | I u 17 | 648 |
| Ventilation | I t 5 | 697 | Washington City | U y 7 viii | 917, 976 |
| Ventriloquism | I x 2 | 133 | “ Territory | U y 8 | 977 |
| Vermont | U y 8 | 974 | Watch-making | I u 6 | 681 |
| Versification | O d | 811 | Water | I 12+ | 714, 551, |
| Vertebrates | I 16 | 596 | | | 532 |
| “ palaeontology | I 12 | 566 | “ analysis | I 12+ | 543 |
| Veterinary medicine | I u 13 | 619 | “ artificial ponds, etc. | I u 12 | 714 |
| Vices | I g 1 | 170 | “ colors | I s 2 | 751 |
| Victoria in N. A. | U y 9 viii | 917, 971 | “ cure | I n 4 □ | 615 |
| “ Queen | U p 7 | 923 | “ wheels | I q | 531, 621 |
| Views of buildings | I t 7 | 769, 779 | “ works | I i 5 | 628 |
| Villas | I t 2 | 728 | Watering-places | I n 3 △, U o 1 | 613 |
| Vine culture | I u 11+ | 634, 716- | Waterloo | I w 1+ | 942, 944 |
| | | 717 | Waters, mineral | I 12+ | 615 |
| Vinegar | I u 11+ | 664 | Wax flowers | I s 4 | 745 |
| Vineyards | I u 11+ | 634 | Wealth | I i 1, I i 2 | 331 |
| Violin | I s 7 | 787 | Weather | I k 3 | 551 |
| Virginia | U y 8 | 976 | Weaving | I u 5 | 677 |
| Virtue | I g | 170 | Wedding customs | U f 9 | 390 |
| Visible speech | I r 2 | 414, 653 | Weights and measures | I i 3 | 389 |
| Vision | I h 3, I n 5, I r | 535 | Welsh bards | U p 3+ | 896, 928 |
| Visions and dreams | I e 4 | 135 | “ language | O a 2 | 496 |
| Vital principle | I 17 | 576, 612 | West Indies | U y 9 | 979 |
| Vocal culture | I s 7+, O b | 784, 815 | “ Virginia | U y 8 | 976 |
| “ music | I s 7+ | 784 | West Point Registers | U y 7+ | 355 |
| “ organs | I n 1 | 611 | Western Islands (Azores) | U d 8+ | 919, 997 |
| “ “ diseases of | I n 5 | 616 | “ States | U y 2+ | 977 |
| Voice | I r, I s 7+ | 784 | “ Territories | U u 2+ | 977 |
| Volcanoes | I 12 | 553 | Whale | I 16 | 599 |
| Voyages | U d | 910 | “ fisheries | I v 3 | 639 |
| “ collected | U d 1 | 913 | Wheat | I u 11 | 633 |
| “ general modern | U d 2 | 913 | Whigs and Democrats | U y 6 | 324 |
| “ round the world | U d 3 | 913 | “ English | U p 6 | 323 |
| “ scientific | I 11 | 913, 919 | Whist | I x 2 | 795 |
| Wages | I i 1 | 331 | Will | I c | 159 |
| Wakefulness | I n 5 | 135 | Wills | E f, U z, U z 1 | 343 |
| Waldenses | A o 11, U u 272 | 945 | Wind instruments | I s 7 | 788 |
| Wales | U c 2 □, U p 3 | 942 | Window gardening | I u 11 | 716 |
| language | O a 2 | 496 | Winds | I k 3, U b 10 | 551 |
| literature | Y k 6 | 896 | Wine | I u 11+ | 663 |
| music | I s 7 | 780 | Wisconsin | U y 8 | 977 |
| poetry | O d 6 | 896 | Wit | O f | 819, 829, 839, |
| Walks | I u 12 | 713 | | | etc. |
| Wallachia | U x 1 | 914, 949 | Witchcraft | I e 3 | 133 |
| Wallachian language | O a 2 | 459 | Wives | I g 2 | 173, 176 |
| War Department | U p 8, U y 7 □ | 355 | Wolff's philosophy | I a 1 | 193 |
| War ethics | E n | 172 | Woman, education | I h | 376 |

ALPHABETICAL INDEX.

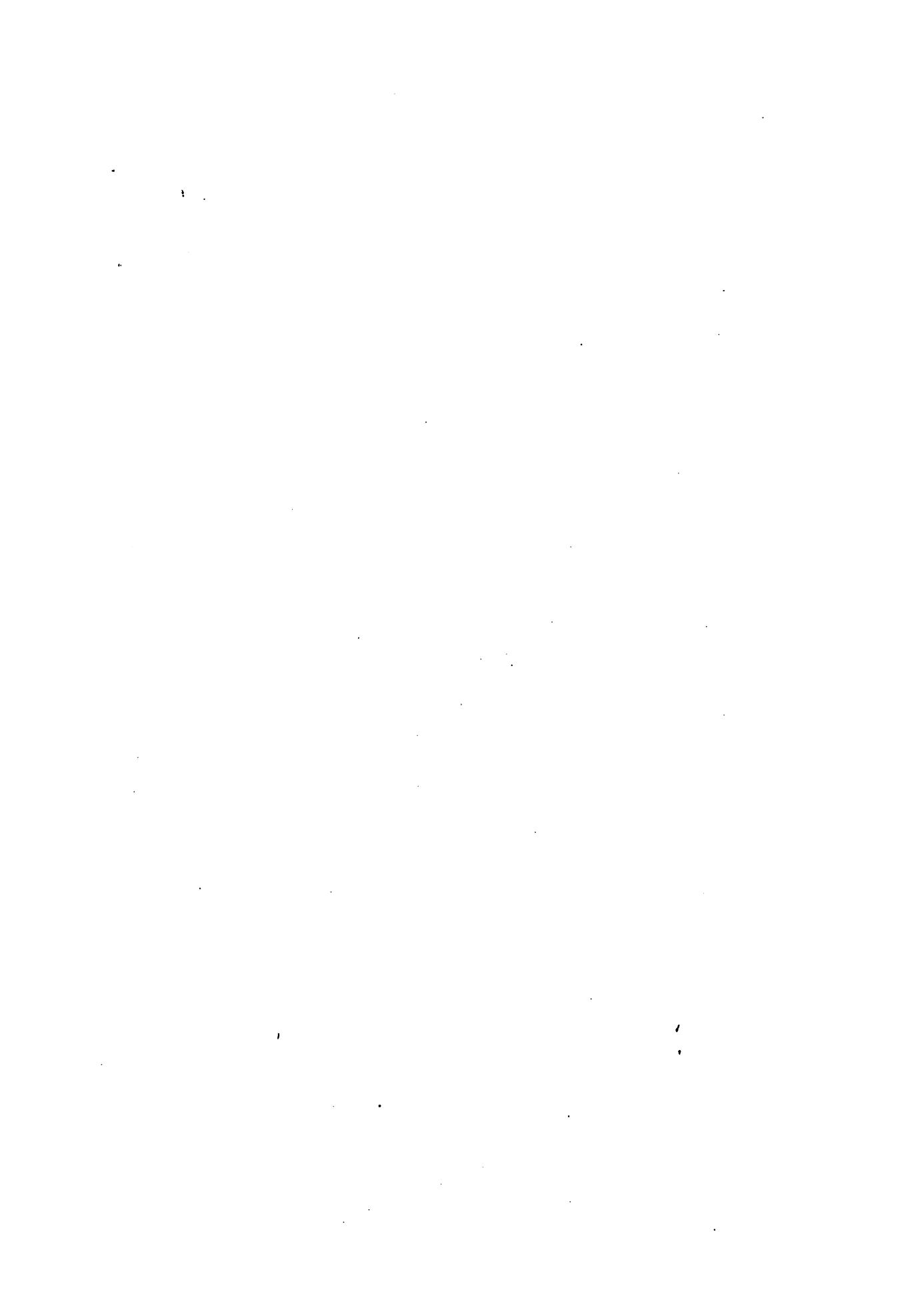
| | | | | | |
|--------------------------|-----------|---------------|--------------------------|------------------|----------|
| Woman, ethics | I g 1 | 173, 176, 177 | Writing, short-hand | Y h | 653 |
| " law | E 1 | 343 | " machine | | 651 |
| " social condition of | I g 2 | 177 | Xylography | Y g | 655 |
| " suffrage | I g 2 | 324 | Yachting | I v 3 | 797 |
| Women, diseases of | I n 4 | 616 | Year books | E k 2 | 313 |
| " lives of | U z 1 □ | 921-9 | " " scientific | I z | 502 |
| " morals for young | I g 2 | 170 | " " statistical | O o | 312, 313 |
| Women's rights | I g 2 | 324 | Yellow fever | I n 5 | 616 |
| Wood engraving | I s 3 | 761 | Young men's associations | A o 15 | 362 |
| " manufactures | I u 10 | 674 | Young women, morals of | I g 2 | 170 |
| Wool | I u 13 | 636 | Yucatan | U y 10 | 917, 979 |
| " manufactures | I u 5 | 677 | Zend | O a 2 | 295 |
| Working classes | I i 1 | 331 | Zend Avesta | A q 5 | 295 |
| Works, complete | O i | 810 8 | Zodiac | I p | 521 |
| World, Atlases of the | U b | 910 | Zoölogy | I i 6 | 590 |
| " voyages round | U d 3 | 910 | Zoöphytes | I l 6 | 593 |
| Worship | A g, A k, | | Zoroaster | A q 5 | 295 |
| | A l | 246-248 | Zulus | U d 12 □, U x 11 | |
| Wrecking and life-saving | U d 5 | 656 | | | 916, 968 |
| Wrestling | I x 1 | 796 | Zunis | | 917, 973 |
| Writing | Y g | 651 | | | |

EXPLICIT TABULA.

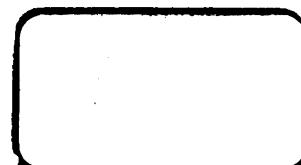








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